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BUREAU OF MINES

VAN. H. MANNING, DIRECTOR

# MEN WHO RECEIVED BUREAU OF MINES CERTIFICATES OF MINE RESCUE TRAINING

JULY 1, 1914, TO JUNE 30, 1916

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ENGINEERING

ENGIN STORAGE

COMPILED BY

D. J. PARKER

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# MEN WHO RECEIVED BUREAU OF MINES CERTIFICATES OF MINE RESCUE TRAINING JULY 1, 1914, TO JUNE 30, 1916.

Compiled by D. J. Parker.

## INTRODUCTION.

Training in the use of mine rescue apparatus was begun by the Government in 1908 as a necessary part of the work relating to the investigation of mine explosions. The Bureau of Mines, after its establishment in 1910, continued this training, and the work of its mine rescue stations and cars was extended to include instruction in first aid for the injured.

On June 30, 1916, the total number of miners trained by the bureau since its organization was 42,045.

This paper contains the names of all the men to whom mine rescue training certificates were issued by the Bureau of Mines during the period July 1, 1914, to June 30, 1916, with the place of residence or post-office address. The paper is published with the intent of giving more effect to efforts to guard the lives of miners. After a mine disaster it is essential that not only rescue operations shall begin as soon as practicable, but that these operations shall be conducted and performed by men who have had proper training. The publication of the names and addresses herein will, it is believed, not only enable State and mine officials to obtain with minimum delay the services of the trained men they are liable to need, but will encourage more men to take the training and will help to maintain the interest and enthusiasm of those already trained.

## ACKNOWLEDGMENT.

The author acknowledges his indebtedness to G. S. Rice, chief mining engineer of the Bureau of Mines, for advice and criticism in the preparation of this report.

## LIST OF MEN WHO RECEIVED CERTIFICATES.

### ALABAMA.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Busalacchi, Frank | Blocton | Bibb | Tennessee Coal, Iron & R. R. Co. | 17380 | May, 1916. |
| Carroll, A. F | do | do | do | 17377 | Do. |
| Ciloscne, Frank | do | do | do | 17392 | Do. |
| Pinson, James | do | do | do | 17376 | Do. |
| Sebra, George | do | do | do | 12391 | October, 1915. |
| Simon, Nick | do | do | do | 12392 | Do. |
| Tidwell, Ira | do | do | do | 17379 | May, 1916. |
| Broadhead, W. E | Piper | do | Little Cahaba Coal Co. | 17058-A | Do. |
| Clarke, E. T | do | do | do | 17055-A | Do. |
| Crance, A. D | do | do | do | 17051-A | Do. |
| Darden, T. E | do | do | do | 17057-A | Do. |
| Elliott, G. T | do | do | do | 17048-A | Do. |
| Fullman, John | do | do | do | 17049-A | Do. |
| Goodwin, H. G | do | do | do | 17050-A | Do. |
| Lay, H. E | do | do | do | 17054-A | Do. |
| McCulley, R. C | do | do | do | 17056-A | Do. |
| McGraw, C. C | do | do | do | 17047-A | Do. |
| Motes, B. B | do | do | do | 17052-A | Do. |
| Reach, W. J | do | do | do | 17053-A | Do. |
| Rice, W. B | do | do | do | 17060-A | Do. |
| Shepherd, H | do | do | do | 17059-A | Do. |
| McGinty, F. A | Adamsville | Jefferson | Tennessee Coal, Iron & R. R. Co. | 17383 | Do. |
| McNulty, John | do | do | do | 10133 | April, 1915. |
| Morgan, W. P | do | do | do | 17384 | May, 1916. |
| Smith, Joseph | do | do | do | 17385 | Do. |
| Grant, J. A | Bessemer | do | Gulf States Steel Co | 9692-A | April, 1915. |
| Hillhouse, R. F | do | do | do | 9693-A | Do. |
| John, Sam | do | do | do | 9691-A | Do. |
| Jones, John O | do | do | do | 6994-A | Do. |
| Martin, Pinkney | do | do | do | 9696-A | Do. |
| Nesbitt, G. S | do | do | do | 9747-A | Do. |
| Nesbitt, G. W | do | do | do | 9697-A | Do. |
| Weaver, D. A | do | do | do | 9695-A | Do. |
| Boyle, J. R | Birmingham | do | Mining engineer | 7335 | August, 1914. |
| Hallier, William | do | do | do | 8840 | February, 1915. |
| Hausmann, F. W | do | do | do | 7340 | August, 1914. |
| McFarlin, C. G | do | do | do | 7337 | Do. |
| Davis, Noah | Brookside | do | Sloss-Sheffield Steel & Iron Co. | 15960-A | March, 1916. |
| Gold, P. D | do | do | do | 15961-A | Do. |
| Hartley, Verry | do | do | do | 15962-A | Do. |
| Dougherty, Dotie | Cardiff | do | do | 15964-A | Do. |
| Jones, William | do | do | do | 15967-A | Do. |
| Mulkin, Benjamin | do | do | do | 15966-A | Do. |
| Ramsden, Clarence | do | do | do | 15963-A | Do. |
| Valco, John | do | do | do | 15965-A | Do. |
| Chapman, T. F | Dolomite | do | Woodward Iron Co | 9051-A | February, 1915. |
| Chase, W. C | do | do | do | 9048-A | Do. |
| Cunningham, G. L | do | do | do | 9054-A | Do. |
| Evans, W. T | do | do | do | 9052-A | Do. |
| McDaniel, E. E | do | do | do | 9047-A | Do. |
| Milstead, William | do | do | do | 9688-A | April, 1915. |
| Purser, B. H | do | do | do | 9053-A | February, 1915. |
| Reed, W. S | do | do | do | 9049-A | Do. |
| Thomas, J. E | do | do | do | 9050-A | Do. |
| Warnick, Thomas | do | do | do | 9046-A | Do. |
| Meagher, A. W | Edgewater | do | Tennessee Coal, Iron & R. R. Co. | 10139 | April, 1915. |
| O'Neal, T. H | do | do | do | 14059 | December, 1915. |
| Cantley, Don | Ensley | do | do | 10132 | April, 1915. |
| Mackey, S. W | do | do | do | 17084 | May, 1916. |
| Cardwell, Oscar | Lewisburg | do | Alabama Consol. Coal & Iron Co. | 9754 | April, 1915. |
| Hartley, J. A | do | do | do | 9755 | Do. |
| Riley, W. G | do | do | do | 9716-A | Do. |
| Shields, Michal | do | do | do | 9718-A | Do. |
| Simpson, Bud | do | do | do | 9717-A | Do. |
| Wood, P. G | do | do | do | 9753 | Do. |

ALABAMA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Chapman, W. J. | Maben | Jefferson | Sloss-Sheffield Steel & Iron Co. | 14064 | December, 1915. |
| Lawrence, R. J. | do. | do. | do. | 14065 | Do. |
| Milligan, W. C. | do. | do. | do. | 13974-A | Do. |
| Neal, Charles | do. | do. | do. | 14066 | Do. |
| Piper, J. T. | do. | do. | do. | 13973-A | Do. |
| Sharp, L. R. | do. | do. | do. | 13975-A | Do. |
| Shell, J. D. | do. | do. | do. | 14062 | Do. |
| Smith, A. S. | do. | do. | do. | 14063 | Do. |
| Wright, A. E. | do. | do. | do. | 13972-A | Do. |
| Anderson, J. A. | Mulga | do. | Woodward Iron Co. | 9684-A | April, 1915. |
| Black, T. H. | do. | do. | do. | 9690-A | Do. |
| Braden, Joseph | do. | do. | Tennessee Coal, Iron & R. R. Co. | 10134 | March, 1915. |
| Blocker, W. L. | do. | do. | Woodward Iron Co. | 9683-A | April, 1915. |
| Earley, S. F. | do. | do. | do. | 9686-A | Do. |
| Edwards, J. E. H. | do. | do. | do. | 9681-A | Do. |
| Head, J. E. | do. | do. | do. | 9682-A | Do. |
| Moore, E. | do. | do. | do. | 9687-A | Do. |
| Stewart, H. L. | do. | do. | do. | 9689-A | Do. |
| Tilford, Thomas | do. | do. | do. | 9685-A | Do. |
| Burgess, George | Palos | do. | Republic Iron & Steel Co. | 10783-A | May, 1916. |
| Clouse, L. B. | do. | do. | do. | 9578-A | Do. |
| Kicker, W. W. | do. | do. | do. | 1351-A | Do.[a] |
| King, P. | do. | do. | do. | 17229-A | Do. |
| Lawrence, R. C. | do. | do. | do. | 17228-A | Do. |
| Pinion, T. J. | do. | do. | do. | 17230-A | Do. |
| Spruiell, J. O. | do. | do. | do. | 17227-A | Do. |
| Stansbury, J. T. | do. | do. | do. | 17231-A | Do. |
| Young, J. F. | do. | do. | do. | 9573-A | Do. |
| Cooley, J. P. | Porter | do. | Warrior-Pratt Coal Co. | 13967-A | December, 1915. |
| Ellison, C. G. | do. | do. | do. | 14061 | Do. |
| Goolsby, J. W. | do. | do. | do. | 13971-A | Do. |
| Lawrence, E. F. | do. | do. | do. | 13968-A | Do. |
| McDowell, James | do. | do. | do. | 13969-A | Do. |
| Robertson, J. W. | do. | do. | do. | 13970-A | Do. |
| Moore, Bert | Pratt City | do. | Tennessee Coal, Iron & R. R. Co. | 10136 | April, 1915. |
| Ramsey, I. S. | do. | do. | do. | 10135 | Do. |
| Smith, James S. | do. | do. | do. | 13101 | November, 1915. |
| Tierce, S. B. | do. | do. | do. | 17381 | May, 1916. |
| Tinney, T. H. | do. | do. | State mine inspector | 7342 | August, 1914. |
| Varnon, J. L. | do. | do. | Tennessee Coal, Iron & R. R. Co. | 17382 | May, 1916. |
| Corbin, J. W. | Republic | do. | Republic Iron & Steel Co. | 9703-A | April, 1915. |
| Forrester, W. A. | do. | do. | do. | 9705-A | Do. |
| Sanders, E. B. | do. | do. | do. | 9704-A | Do. |
| Allen, P. W. | Sayreton | do. | do. | 9748 | April, 1915. |
| Barnett, William | do. | do. | do. | 9700-A | Do. |
| Chambers, J. W. | do. | do. | do. | 9698-A | Do. |
| Eyre, Walter | do. | do. | do. | 9702-A | Do. |
| Patton, D. H. | do. | do. | do. | 9701-A | Do. |
| Regan, W. E. | do. | do. | do. | 9299-A | Do. |
| Waine, Arthur | do. | do. | do. | 14060 | December, 1915. |
| Dietz, Robert | Wylam | do. | Tennessee Coal, Iron & R. R. Co. | 14058 | Do. |
| Kirkwood, Walter | do. | do. | do. | 10138 | April, 1915. |
| Moxley, Richard | do. | do. | do. | 10137 | Do. |
| Williamson, Thomas | do. | do. | do. | 13102 | November, 1915. |
| Gilmour, C. H. | Auburn | Lee | Mining engineer | 7339 | August, 1914. |
| Anderson, J. D. | Acmar | St. Clair | Alabama Fuel & Iron Co. | 7331 | Do. |
| Barrow, S. E. | do. | do. | do. | 11454-A | June, 1915. |
| Black, Walter L. | do. | do. | do. | 7334 | August, 1914. |
| Hays, Lon | do. | do. | do. | 7330 | Do. |
| Isbell, T. C. | do. | do. | do. | 7332 | Do. |
| Lewis, John E. | do. | do. | do. | 11549 | June, 1915. |
| MacKenzie, J. K. | do. | do. | do. | 11455-A | Do. |
| Sahn, William | do. | do. | do. | 11548 | Do. |
| Sloan, W. S. | do. | do. | do. | 7333 | August, 1914. |

[a] Supplementary training, April 18, 1916.

ALABAMA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Akridge, T. R. | Margaret | St. Clair | Alabama Fuel & Iron Co. | 11457-A | June, 1915. |
| Barber, Howell | do | do | do | 11456-A | Do. |
| Brown, Lewis | do | do | do | 11550 | Do. |
| Dana, Louis | do | do | do | 7344-A | August, 1914. |
| Davis, R. H | do | do | do | 7343-A | Do. |
| Evans, William | do | do | do | 7347-A | Do. |
| Perry, L. J | do | do | do | 11459-A | June, 1915. |
| Powell, Wilber | do | do | do | 11458-A | Do. |
| Rivers, B. D | do | do | do | 7346-A | August, 1914. |
| Swafford, J. T | do | do | do | 7345-A | Do. |
| Smith, W. P | Tuscaloosa | Tuscaloosa | State mine inspector | 7341 | Do. |
| Allen, W. S | Yolande | do | Yolande Coal & Coke Co. | 9749 | April, 1915. |
| Bryan, J. A | do | do | do | 9714-A | Do. |
| Campbell, James | do | do | do | 9713-A | Do. |
| Clayton, T. J | do | do | do | 9752 | Do. |
| Harrison, R. B | do | do | do | 9711-A | Do. |
| Hendrix, M. P | do | do | do | 9710-A | Do. |
| Hinsley, J. N | do | do | do | 9750 | Do. |
| Morrow, A. E | do | do | Mining engineer | 7336 | August, 1914. |
| Provenzo, Dominick. | do | do | Yolande Coal & Coke Co. | 9712-A | April, 1915. |
| Rosen, E. L | do | do | do | 9751 | Do. |
| Sterrett, W. A | do | do | do | 9715-A | Do. |
| Lawrence, S. B | Corona | Walker | Corona Coal & Iron Co. | 15958-A | March, 1916. |
| Miller, I. W | do | do | Mining engineer | 7338 | August, 1914. |
| O'Biren, B. C | do | do | Corona Coal & Iron Co. | 15959-A | March, 1916. |
| Savage, H. P | do | do | do | 15957-A | Do. |
| Bell, Oscar | Sipsey | do | Maryland Coal & Coke Co. | 11362-A | June, 1915. |
| Benton, J. D | do | do | do | 11364-A | Do. |
| Kempgens, Fritz | do | do | do | 11363-A | Do. |
| Mack, Edward | do | do | do | 11361-A | Do. |
| McDonald, M. A | do | do | do | 11365-A | Do. |
| Tate, E. C | do | do | do | 11366-A | Do. |
| Watson, G. E | do | do | do | 11360-A | Do. |
| Bynon, R. F. A | Townley | do | Birmingham Fuel Co. | 13976-A | December, 1915. |
| Clark, James | do | do | do | 13980-A | Do. |
| Laggett, David | do | do | do | 13979-A | Do. |
| McMillan, David | do | do | do | 10424-A | January, 1916. |
| Roberts, J. O | do | do | do | 13976-A | December, 1915. |
| Sellers, K | do | do | do | 13977-A | Do. |

ALASKA.

| | | | | | |
|---|---|---|---|---|---|
| Dye, R. A | Juneau | | Clerk to Federal mine inspector. | 14432-A | January, 1916. |
| Skounard, O. P | Kennecott | | Miner | 10187-A | May, 1915. |
| Anderson, C. S | Knik | | do | 10186-A | Do. |

ARIZONA.

| | | | | | |
|---|---|---|---|---|---|
| Baker, Fred | Bisbee | Cochise | Copper Queen Consol. Mng. Co. | 8793 | January, 1915. |
| Baugh, Fred | do | do | Calumet & Arizona Mng. Co. | 13630 | November, 1915. |
| Benko, Joseph | do | do | do | 13631 | Do. |
| Campbell, Benjamin | do | do | do | 13632 | Do. |
| Dalby, Frank | do | do | Copper Queen Consol. Mng. Co. | 13624-A | Do. |
| Dunham, Roy | do | do | Mucker | | Do. |
| Fenner, H. L | do | do | Copper Queen Consol. Mng. Co. | 13625-A | Do. |
| Ferrell, W. E | do | do | Calumet & Arizona Mng. Co. | 13644 | Do. |
| Finity, Emmett | do | do | Copper Queen Consol. Mng. Co. | 13645 | Do. |
| Freeman, W. F | do | do | Calumet & Arizona Mng. Co. | 13635 | Do. |
| Gauwain, G. V | do | do | do | 13639 | Do. |

ARIZONA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Gilman, George | Bisbee | Cochise | Calumet & Arizona Mng Co. | 6628-A | April, 1916. |
| Greenhalgh, A | do | do | do | 13638 | November, 1915. |
| Haile, W. B | do | do | do | 6627-A | April, 1916. |
| McRae, J. K | do | do | do | 6625-A | Do. |
| Moon, R. F | do | do | Copper Queen Consol. Mng. Co. | 16934-A | May, 1916. |
| Murphy, T. A | do | do | Calumet & Arizona Mng. Co. | 6633-A | April, 1916. |
| Rasmussen, E | do | do | Copper Queen Consol. Mng. Co. | 8794 | February, 1915. |
| Saunders, J. H | do | do | do | 8802 | Do. |
| Scott, H. B | do | do | do | 13646 | November, 1915. |
| Smith, Paul | do | do | do | 13647 | Do. |
| Sowerbutts, William. | do | do | do | 7252 | August, 1914. |
| Stetson, D. T | do | do | do | 8824 | February, 1915. |
| Wood, T | do | do | do | 7253 | August, 1914. |
| Wright, T. W | do | do | Calumet & Arizona Mng. Co. | 7210-A | Do. |
| Deardorff, C. A | Lowell | do | do | 13638 | November, 1915. |
| Galt, John | do | do | do | 13637 | Do. |
| Gregg, Matthew | do | do | do | 13636 | Do. |
| Legge, F. H | do | do | do | 13642 | Do. |
| Leonard, T. T | do | do | do | 13643 | Do. |
| Johns, Dick | do | do | do | 13641 | Do. |
| Crone, Fred | Tombstone | do | Bunker Hill Mng. Co. | 15046 | February, 1916. |
| Hastings, J. L | do | do | do | 15053-A | Do. |
| Holland, B. F | do | do | do | 15051-A | Do. |
| Hoppe, A. G | do | do | do | 15052-A | Do. |
| Jackson, L. R | do | do | do | 6689-A | April, 1916. |
| Landon, S. L | do | do | do | 15054-A | February, 1916. |
| Giacoma, John | do | do | do | 15050-A | Do. |
| McKay, D. R | do | do | do | 16935-A | May, 1916. |
| Perrotti, John | do | do | do | 15055-A | February, 1916. |
| Ronchetti, John | do | do | do | 15056-A | Do. |
| Saunders, R. V | do | do | do | 15057-A | Do. |
| Jouck, J. W | Warren | do | Calumet & Arizona Mng. Co. | 13640 | November, 1915. |
| Sieg, W. J | do | do | do | 13623-A | Do. |
| Finch, W. G | Copper Hill | Gila | Superior & Boston Copper Co. | 7235-A | August, 1914. |
| McDonald, D | do | do | do | 7258 | Do. |
| Brouilett, O. H | Globe | do | Old Dominion Copper Co. | 7231-A | Do. |
| Lemons, P. C | do | do | do | 7234-A | Do. |
| Noetzel, E. H | do | do | Arizona Copper Co | 7226-A | Do. |
| Pascoe, Richard | do | do | Old Dominion Copper Co. | 7232-A | Do. |
| Porter, W. J | do | do | do | 7255 | Do. |
| Scoble, Richard | do | do | do | 7254 | Do. |
| Tallon, Albert | do | do | do | 7229-A | Do. |
| Tamblyn, John | do | do | do | 7230-A | Do. |
| Wall, John | do | do | do | 7233-A | Do. |
| Warren, J. A | do | do | do | 7257 | Do. |
| Whitford, Fred | do | do | do | 7228-A | Do. |
| Wilkins, Alfred | do | do | do | 7227-A | Do. |
| Willoughby, A | do | do | do | 7256 | Do. |
| Askew, Charles | Miami | do | Miami Copper Co | 7219-A | Do. |
| Aves, W. L | do | do | do | 7225-A | Do. |
| Andrews, W. J | do | do | do | 7222-A | Do. |
| Beard, Robert | do | do | do | 7223-A | Do. |
| Burt, Richard | do | do | do | 7298 | Do. |
| Champion, J. B | do | do | do | 7224-A | Do. |
| Chapman, T. L | do | do | do | 7221-A | Do. |
| Chandler, E. D | do | do | Inspiration Consolidated Copper Co. | 7213-A | Do. |
| Connelly, E. W | do | do | do | 7297 | Do. |
| Flynn, J. G | do | do | Miami Copper Co | 7216-A | Do. |
| Goranson, C. H | do | do | do | 7300 | Do. |
| Grose, N. A | do | do | do | 7302 | Do. |
| Hase, H. C | do | do | Inspiration Consolidated Copper Co. | 7212-A | Do. |
| Hempfill, D. E | do | do | Miami Copper Co | 7218-A | Do. |
| Jane, G | do | do | do | 7303 | Do. |

ARIZONA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Johnson, J. A | Miami | Gila | Inspiration Consolidated Copper Co. | 7293 | August, 1914. |
| Keenan, George | do | do | do | 7292 | Do. |
| McClenan, F. W | do | do | Miami Copper Co | 7217-A | Do. |
| McDonald, F | do | do | Inspiration Consolidated Copper Co. | 7211-A | Do. |
| Montague, H. W | do | do | do | 7214-A | Do. |
| Newton, L. A | do | do | Miami Copper Co | 7220-A | Do. |
| Owens, James | do | do | Inspiration Consolidated Copper Co. | 7294 | Do. |
| Ritchie, J. A | do | do | Miami Copper Co | 7299 | Do. |
| Shields, J. W | do | do | Inspiration Consolidated Copper Co. | 7295 | Do. |
| Strager, B. C | do | do | do | 7296 | Do. |
| Stoddard, R. C | do | do | do | 7215-A | Do. |
| Urquhurt, A. D | do | do | Miami Copper Co | 7301 | Do. |
| Wakefield, T | do | do | do | 7304 | Do. |
| Beals, J. H | Metcalf | Greenlee | Arizona Copper Mng. Co. | 7244-A | August, 1914. |
| Farish, C. S | do | do | do | 7246-A | Do. |
| Ferris, A. L | do | do | do | 7239-A | Do. |
| French, G. D | do | do | do | 7240-A | Do. |
| Nelson, H. C | do | do | do | 7245-A | Do. |
| Payne, L. H | do | do | do | 7242-A | Do. |
| Smith, R. O | do | do | do | 7241-A | Do. |
| Sokup, C. T | do | do | Shannon Copper Co | 7247-A | Do. |
| Quayle, T. W | do | do | Arizona Copper Mng. Co. | 7238-A | Do. |
| Williams, W. J | do | do | do | 7243-A | Do. |
| Allen, Albert | Morenci | do | do | 7262 | Do. |
| Barragan, J. J | do | do | Detroit Copper Mng. Co. | 13645 | November, 1915. |
| Bennetts, James | do | do | do | 13628-A | Do. |
| Byrd, R. L | do | do | do | 7237-A | August, 1914. |
| Calkins, F. E | do | do | do | 8799-A | February, 1915. |
| Chisholm, John | do | do | do | 13629-A | November, 1915. |
| Cocks, F. C | do | do | Arizona Copper Mng. Co. | 8796 | August, 1914. |
| Do | do | do | Detroit Copper Mng. Co. | 13626-A | November, 1915. |
| Cocks, J. H | do | do | do | 8801 | February, 1915. |
| Deeble, William | do | do | do | 8798 | Do. |
| Eddy, Richard H | do | do | Arizona Copper Mng. Co. | 7261 | August, 1914. |
| Estrada, J | do | do | Detroit Copper Mng. Co. | 13649 | November, 1915. |
| French, John | do | do | do | 13650 | Do. |
| Hastings, E. F | do | do | Arizona Copper Mng. Co. | 7260 | August, 1914. |
| Haedicke, G. E | do | do | do | 7264 | Do. |
| Hill, H. P | do | do | do | 7266 | Do. |
| Hostetter, C. B | do | do | do | 7236-A | Do. |
| Leidich, H. A | do | do | do | 7265 | Do. |
| Maiola, John | do | do | Detroit Copper Mng. Co. | 13651 | November, 1915. |
| Martinez, D | do | do | do | 13652 | Do. |
| Pemberthy, B | do | do | do | 8795 | February, 1915. |
| Scott, H. E | do | do | do | 8797 | Do. |
| Stead, B. J | do | do | Arizona Copper Mng. Co. | 7259 | August, 1914. |
| Vivian, Benjamin | do | do | Detroit Copper Mng. Co. | 13627-A | November, 1915. |
| Wackerbarth, H. T. | do | do | Arizona Copper Mng. Co. | 7263 | August, 1914. |
| Wilcocks, P. J | do | do | Detroit Copper Mng. Co. | 8800 | May, 1915. |
| Josephson, Ch | Goldroads | Mohave | Goldroads Mng. Co | 14635-A | January, 1916. |
| McDonald, D. H | do | do | do | 14634-A | Do. |
| Jones, W. P | Oatman | do | Tom Reed Mng. & Mlg. Co. | 14636-A | Do. |
| Kane, E. J | do | do | United Eastern Mng. & Mlg. Co. | 14637-A | Do. |
| Kowel, Paul | do | do | Tom Reed Mng. & Mlg. Co. | 14638-A | Do. |

ARIZONA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Ames, H. W | Tucson | Pima | Student, University of Arizona. | 14640-A | January, 1916. |
| De Aromena, J | do | do | do | 14641-A | Do. |
| Case, H. J | do | do | do | 14611 | Do. |
| Hallmark, W. J | do | do | do | 14642-A | Do. |
| Hield, H. H | do | do | do | 14644-A | Do. |
| Howard, C. H | do | do | do | 14643-A | Do. |
| Joseph, P. E | do | do | do | 14645-A | Do. |
| Lynch, C. H | do | do | do | 14646-A | Do. |
| McClure, F. G | do | do | do | 14648-A | Do. |
| McSherry, F. J | do | do | do | 14649-A | Do. |
| Meyer, Richard | do | do | do | 14647-A | Do. |
| O'Keefe, Charles | do | do | do | 14650-A | Do. |
| Renaud, C. L | do | do | do | 14651-A | Do. |
| Renaud, E. J | do | do | do | 14653-A | Do. |
| Rubel, A. C | do | do | do | 14654-A | Do. |
| Russ, R. F | do | do | do | 14652-A | Do. |
| Sheerer, C. E | do | do | do | 14612 | Do. |
| Stander, H. J | do | do | do | 14655-A | Do. |
| Turvey, H. E | do | do | do | 14613 | Do. |
| Vosskuehler, M | do | do | do | 14656-A | Do. |
| Woolf, Jesse A | do | do | do | 14657-A | Do. |
| Flores, Ramon | Twin Buttes | do | American Smtg. & Refg. Co. | 14620 | January, 1916. |
| McGill, J. J | do | do | E. G. Bush Co | 14621 | Do. |
| Sanchelz, L | do | do | American Smtg. & Refg. Co. | 14622 | Do. |
| Serasio, Mike | do | do | E. G. Bush Co | 14623 | Do. |
| Tremaine, J. L | do | do | American Smtg. & Refg. Co. | 14624 | Do. |
| Cveanovich, P | Ray | Pinal | Ray Cons. Copper Co. | 13125 | November, 1915. |
| Ellis, J. R | do | do | do | 13161-A | Do. |
| Holtz, Oscar | do | do | do | 13126 | Do. |
| Newton, J. F | do | do | do | 13127 | Do. |
| Olson, V. C | do | do | do | 13163-A | Do. |
| Owens, W. G | do | do | do | 13162-A | Do. |
| Pope, J. H | do | do | do | 13128 | Do. |
| Rebstock, D. E | do | do | do | 13130 | Do. |
| Reed, H. W | do | do | do | 13164-A | Do. |
| Russell, B. E | do | do | do | 13129 | Do. |
| Blanco, Joe | Jerome | Yavapai | United Verde Copper Co. | 13949-A | December, 1915. |
| Bogdanic, Geo | do | do | do | 13947-A | Do. |
| Connell, John | do | do | do | 13961-A | Do. |
| Chasny, John | do | do | do | 13939-A | Do. |
| Daly, James | do | do | do | 13963-A | Do. |
| Davidson, A | do | do | do | 13945-A | Do. |
| Dopico, Manuel | do | do | do | 13958-A | Do. |
| Drakulich, M | do | do | do | 13943-A | Do. |
| Engel, Adolph | do | do | do | 13954-A | Do. |
| Fornara, G | do | do | do | 13948-A | Do. |
| Galba, Gabino | do | do | do | 13951-A | Do. |
| Garcia, C | do | do | do | 13957-A | Do. |
| Garcia, M | do | do | do | 13959-A | Do. |
| Grenko, John | do | do | do | 13940-A | Do. |
| Groseta, Peter | do | do | do | 13965-A | Do. |
| Higgins, Tom | do | do | do | 13962-A | Do. |
| Jercinovich, L | do | do | do | 13952-A | Do. |
| Lavonich, N | do | do | do | 13956-A | Do. |
| Marovich, A | do | do | do | 13946-A | Do. |
| Marquina, A | do | do | do | 13950-A | Do. |
| Merrick, Richard | do | do | do | 13966-A | Do. |
| Novicko, S | do | do | do | 13955-A | Do. |
| Poff, George | do | do | do | 13964-A | Do. |
| Riordan, Neil | do | do | do | 13960-A | Do. |
| Silva, Antonio | do | do | do | 13953-A | Do. |
| Stanich, Pete | do | do | do | 13942-A | Do. |
| Verbanic, Mike | do | do | do | 13941-A | Do. |
| Vega, Francisco | do | do | do | 13944-A | Do. |

ARKANSAS.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Cappe, George | Paris | Logan | Grand Coal Co | 17647-A | May, 1916. |
| Ruffitto, A | do | do | do | 17635-A | Do. |
| Watson, Thomas | do | do | do | 17650-A | Do. |
| Crawford, Raymond | Bonanza | Sebastian | Barr Coal Co | 17193-A | Do. |
| Dodds, James | do | do | do | 17389 | Do. |
| Jordan, Gad | do | do | do | 17191-A | Do. |
| Littlejohn, J | do | do | do | 17196-A | Do. |
| Morphew, J. E | do | do | do | 17194-A | Do. |
| Mooney, H. S | do | do | do | 17190-A | Do. |
| Nugent, P. M | do | do | do | 17192-A | Do. |
| Perry, Gustav | do | do | do | 17195-A | Do. |
| Bailey, Bert | Greenwood | do | Greenwood Coal Co | 17637-A | Do. |
| Cauthron, W. R | do | do | do | 18048-A | June, 1916. |
| Huckleberry, J. W | do | do | do | 17648-A | May, 1916. |
| Scales, Walter | do | do | do | 17636-A | Do. |
| Stewart, A | do | do | do | 17649-A | Do. |
| Bendoritis, G | Hartford | do | Central Coal & Coke Co. | 16318 | April, 1916. |
| Beuks, Joseph | do | do | do | 16319 | Do. |
| Garrett, F. J | do | do | Bolen Darnell Coal Co. | 16239-A | Do. |
| Legg, Harley | do | do | Woodson Coal Co | 16241-A | Do. |
| Legg, Molen | do | do | do | 16237-A | Do. |
| Lindsay, Robert | do | do | Bolen Darnell Coal Co. | 16242-A | Do. |
| Lovely, G. W | do | do | Central Coal & Coke Co. | 16235-A | Do. |
| Platt, Clarence | do | do | Conroy Coal Co | 16236-A | Do. |
| Platt, J. R | do | do | do | 16240-A | Do. |
| Stenhouse, D | do | do | Woodson Coal Co | 16238-A | Do. |
| Logan, Richard | Huntington | do | Central Coal & Coke Co. | 17032 | May, 1916. |
| Radcliff, W. M | do | do | do | 16986-A | Do. |
| Rose, Joseph | do | do | do | 16987-A | Do. |
| Speegle, Claud | do | do | do | 17074-A | Do. |
| Blalock, Harvey | Jenny Lind | do | Western Coal & Mng. Co. | 17242-A | Do. |
| Chastine, P | do | do | do | 17240-A | Do. |
| Dollar, Milton | do | do | Mama Coal Co | 17243-A | Do. |
| Lansdown, J. H | do | do | Western Coal & Mng. Co. | 17241-A | Do. |
| Mooney, J. J | do | do | Peacock Coal Co | 17245-A | Do. |
| Route, William | do | do | Western Coal & Mng. Co. | 17244-A | Do. |
| Daffron, Joseph | Midland | do | Central Coal & Coke Co. | 16988-A | Do. |

CALIFORNIA.

| | | | | | |
|---|---|---|---|---|---|
| Bretherton, S. E | Berkeley | Alameda | Student, University of California. | 8143-A | January, 1915. |
| Brett, H. A | do | do | do | 8374-A | Do. |
| Brunel, L | do | do | do | 8140-A | Do. |
| Cloudman, H. C | do | do | Mining engineer | 11810-A | November, 1915. |
| Durham, E. B | do | do | Mining professor, University of California. | 8152-A | January, 1915. |
| Furton, F. E | do | do | Student, University of California. | 8139 | Do. |
| Farnlacher, W. G | do | do | do | 8151-A | Do. |
| Firebaugh, F. L | do | do | do | 8370-A | Do. |
| Geis, W. H | do | do | do | 8141-A | Do. |
| Hazzard, A. M | do | do | do | 8138-A | Do. |
| Hoenigmann, F. J | do | do | do | 8150-A | Do. |
| Kirwan, T. D | do | do | do | 8367-A | Do. |
| McDonald, J. A | do | do | do | 8369-A | Do. |
| McIntyre, R. S | do | do | do | 8148-A | Do. |
| Marquand, B | do | do | do | 8368-A | Do. |
| Queen, H. E | do | do | do | 8372-A | Do. |
| Rocca, B. T | do | do | do | 8373-A | Do. |
| Schuette, C. N | do | do | do | 8147-A | Do. |
| Trengove, S. R | do | do | Mine superintendent | 8142 | Do. |
| Uren, L. C | do | do | Mining instructor, University of California. | 8154-A | Do. |
| Waithman, J. L | do | do | Student, University of California. | 8144-A | Do. |
| Walker, R. T | do | do | Consolidated Arizona Smtg. Co. | 8145 | Do. |

CALIFORNIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Wedemeyer, R | Berkeley | Alameda | Student, University of California. | 8149-A | January, 1915. |
| Wellan, George | do | do | do | 8371-A | Do. |
| Willoughby, E. P | do | do | Mining instructor, University of California. | 8153-A | Do. |
| Lowell, F. L | Oakland | do | Mining engineer | 11331-A | June, 1915. |
| Balcih, John | Jackson | Amador | Argonaut Mng. Co | 7863-A | October, 1914. |
| Corvoich, John | do | do | Kennedy Mng. Co | 7862-A | Do. |
| Ireland, G. D | do | do | do | 7861-A | Do. |
| Kelsey, N. S | do | do | Argonaut Mng. Co | 7860-A | Do. |
| Nettle, J. W | do | do | do | 7864-A | Do. |
| Bastrana, G | Ogilby | Imperial | Imperial Reduction Co. | 8819-A | February, 1915. |
| Cooper, J. H | do | do | do | 8822-A | Do. |
| du Rel, Charles | do | do | do | 8823-A | Do. |
| Mattocks, J. W | do | do | do | 8821-A | Do. |
| Miller, C. L | do | do | do | 8820-A | Do. |
| Gebb, J. W | Kern | Kern | Mining engineer | 11808-A | November, 1915. |
| Fry, C. H | Randsburg | do | Yellow Aster Mng. & Mlg. Co. | 8692-A | January, 1915. |
| Garvin, C. L | do | do | Surgeon | 8691-A | Do. |
| Henderson, W. A | do | do | Yellow Aster Mng. & Mlg. Co. | 8693-A | Do. |
| Lanka, Robert | do | do | Consolidated Mines Co. | 8694-A | Do. |
| Quinn, William | do | do | Engineer | 8690-A | Do. |
| Bedford, R. H | Grass Valley | Nevada | North Star Mines Co | 7834-A | October, 1914. |
| Dowd, Philip | do | do | do | 7833-A | Do. |
| Field, Tim | do | do | do | 7925 | Do. |
| Hogan, J. E | do | do | do | 7924<br>7924-A | Do.<br>February, 1915. |
| Morrison, L. S | do | do | do | 7926 | October, 1914. |
| Smith, Harry | do | do | do | 7836-A | Do. |
| Fleming, J. L | Nevada City | do | do | 9203-A | October, 1915. |
| Gill, T. A | do | do | do | 7835-A | October, 1914. |
| Hooper, Fred | do | do | do | 8451-A | October, 1915. |
| Jones, Wm. P | do | do | do | 7837-A | October, 1914. |
| Thomas, G. R | do | do | do | 8446-A | October, 1915. |
| Thompson, Thomas | do | do | do | 7838-A | October, 1914. |
| Skelley, R. D | Riverside | Riverside | Mining engineer | 8146-A | January, 1915. |
| Steele, W. P | Needles | San Bernadino | Needles Smtg. & Mlg. Co. | 14639-A | January, 1916. |
| Ball, G. R | San Francisco. | San Francisco. | Hospital apprentice, U. S. N. | 11821-A | September, 1915. |
| Bradley, W. W | do | do | State Mining Bureau | 11815-A | Do. |
| Brown, G. G | do | do | Industrial Accident Commission of California. | 11937-A | Do. |
| Bullard, E. W | do | do | Lamp salesman | 11816-A | Do. |
| Drewery, L. W | do | do | U. S. Navy | 11818-A | Do. |
| Hoffman, C. F | do | do | Gunner's mate, U. S. N. | 11820-A | Do. |
| Lamb, Edward | do | do | San Francisco fire department. | 11332-A | June, 1915. |
| Pierce, C. C | do | do | Surgeon | 11823-A | September, 1915. |
| Sanders, H. J | do | do | Gunner's mate, U. S. N. | 11822-A | Do. |
| Seitz, C. W | do | do | Hospital steward, U. S. N. | 11819-A | Do. |
| Sprague, W. W | Menlo Park | San Mateo | Student | 11817-A | September, 1915. |
| Carlton, D. P | Stanford University. | Santa Clara | Student mining engineer. | 7909-A | October, 1914. |
| Dubendorf, H | do | do | do | 7908-A | Do. |
| Hayes, F. W | do | do | do | 7905-A | Do. |
| Hulsman, Ivan | do | do | do | 7907-A | Do. |
| King, V. L | do | do | do | 7902-A | Do. |
| Lyman, G. B | do | do | do | 7906-A | Do. |
| McKenna, J. S | do | do | do | 7904-A | Do. |
| Nixon, C. H | do | do | do | 7910-A | Do. |
| Scott, W. W | do | do | do | 7903-A | Do. |
| Templeton, R. R | do | do | do | 7911-A | Do. |

CALIFORNIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Brittan, Charles | Kennett | Shasta | Mammoth Copper Mng. Co. | 8390 | January, 1915. |
| Jenkins, L. R. | do | do | do | 8388 | Do. |
| Minear, R | do | do | do | 8389 | Do. |
| Peyton, Garland | do | do | do | 8391 | Do. |
| Plum, Joseph | do | do | do | 8387 | Do. |
| Roesch, Robert | do | do | do | 8386 | Do. |
| Wood, W. J | do | do | do | 8392 | Do. |
| Jenkins, L. R. | Mammoth | do | do | 8388-A | September, 1915. |
| Peyton, Garland | do | do | do | 8391-A | Do. |
| Murray, Dan. B | do | do | do | 12767-A | October, 1915. |
| Zwinge, H. D. | Jamestown | Tuolumne | Harvard Gold Mng. Co. | 7878-A | October, 1914. |
| Eckhardt, O. R | Shamut | do | Eagle Shamut Mng. Co. | 7882-A | Do. |
| Hallock, C. C | Soulsbyville | do | Black Oak Mng. & Mlg. Co. | 7879-A | Do. |
| Oliver, T. R. | do | do | do | 7880-A | Do. |
| McFarland, A | Stent | do | Dutch Consolidated Mng. Co. | 7881-A | Do. |

COLORADO.

| | | | | | |
|---|---|---|---|---|---|
| Edwards, L. H | Broomfield | Boulder | National Fuel Co | 11848-A | August, 1915. |
| Meden, Lewis | do | do | do | 11849-A | September, 1915. |
| Morton, R. S | do | do | do | 11847-A | Do. |
| Oliver, A. E | do | do | do | 11841-A | Do. |
| Anderson, Samuel | Gorham | do | Rocky Mountain Fuel Co. | 11873-A | Do. |
| Borstnack, Joseph | do | do | do | 11875-A | Do. |
| Butcher, James | do | do | do | 11874-A | Do. |
| Kallas, Nick | do | do | do | 11879-A | Do. |
| Kallas, Roy | do | do | do | 11868-A | Do. |
| Lavan, Joseph | do | do | do | 11876-A | Do. |
| Marino, Carlo | do | do | do | 11877-A | Do. |
| Stafford, William | do | do | do | 11872-A | Do. |
| Taylor, Edward | do | do | do | 11878-A | Do. |
| Allen, David | Lafayette | do | do | 11909-A | Do. |
| Dollar, C. E | do | do | do | 11911-A | Do. |
| Duncan, Roy | do | do | do | 11956 | Do. |
| Karivalys, Nick | do | do | do | 11912-A | Do. |
| Long, John, jr | do | do | do | 11914-A | Do. |
| Miller, S. H | do | do | do | 11958 | Do. |
| Miller, J. W | do | do | do | 11953 | Do. |
| Moon, W. W | do | do | do | 11957 | Do. |
| Morgan, James | do | do | Matchless Fuel Co | 11851-A | Do. |
| Roe, Albert | do | do | Rocky Mountain Fuel Co. | 11915-A | Do. |
| Russeff, Nick | do | do | do | 11910-A | Do. |
| Schweiger, John | do | do | do | 11918-A | Do. |
| Sultz, D. M | do | do | do | 11917-A | Do. |
| Swearingen, George | do | do | do | 11959 | Do. |
| Thompson, J. H | do | do | do | 11913-A | Do. |
| Weiler, Jake | do | do | do | 11955 | Do. |
| Williams, Thomas | do | do | do | 11916-A | Do. |
| Williams, G | do | do | do | 11954 | Do. |
| Atkins, S. B | Louisville | do | Rocky Mountain Fuel Co. | 11960 | September, 1915. |
| Bussman, Herman | do | do | do | 12132-A | November, 1915 |
| Defler, Joseph | do | do | Matchless Fuel Co | 11844-A | September, 1915. |
| Doak, John | do | do | do | 11842-A | Do. |
| Morgan, J. D | do | do | do | 11846-A | Do. |
| Powers, Patrick | do | do | Fox Patterson mine | 11845-A | Do. |
| Willis, Robt | do | do | Sunnyside Fuel Co | 11843-A | Do. |
| Winkler, Lewis | do | do | Rocky Mountain Fuel Co. | 11850-A | Do. |
| Alberts, George | Superior | do | do | 11870-A | Do. |
| Carson, S. C | do | do | do | 11880-A | Do. |
| Lawson, James | do | do | do | 11871-A | Do. |
| Stewart, D. M | do | do | do | 11869-A | Do. |

COLORADO—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Dalyrmple, James | Denver | Denver | National Fuel Co | 2822-A | October, 1915. |
| Muncaster, Roy | do | do | Student | 17378 | May, 1916. |
| Shearer, R. O | do | do | Rocky Mountain Fuel Co. | 2938-A | September, 1915. |
| Avila, Andres | Cokedale | Las Animas | Carbon Coal & Coke Co. | 15993-A | March, 1916. |
| Bubb, H. N | do | do | do | 15994-A | Do. |
| Burnham, George | do | do | do | 15995-A | Do. |
| Dodge, D. D | do | do | do | 15996-A | Do. |
| Fields, J. E | do | do | do | 15997-A | Do. |
| Garrett, A | do | do | do | 15998-A | Do. |
| Hill, John | do | do | do | 16000-A | Do. |
| Hughes, G. V | do | do | do | 15999-A | Do. |
| James, W. H | do | do | do | 16001-A | Do. |
| Lenthall, W | do | do | do | 16002-A | Do. |
| Martin, Gus | do | do | do | 16003-A | Do. |
| Martinez, Joe | do | do | do | 16004-A | Do. |
| Phillips. W. A | do | do | do | 16005-A | Do. |
| Radeck, Emil | do | do | do | 16007-A | Do. |
| Rebol, Frank | do | do | do | 16006-A | Do. |
| Smith, Charles | do | do | do | 16009-A | Do. |
| Smith, John | do | do | do | 16010-A | Do. |
| Weber, C | do | do | do | 16012-A | Do. |
| Werten, John | do | do | do | 16014-A | Do. |
| Wirts, Albert | do | do | do | 16011-A | Do. |
| Wirts, James | do | do | do | 16013-A | Do. |
| Blose, Stanley | Dacono | Weld | Baum mine | 11924-A | September, 1915. |
| Green, James | do | do | do | 11962 | Do. |
| Robinson, E | do | do | do | 11922-A | Do. |
| Robinson, R | do | do | do | 11923-A | Do. |
| Sharp, Thomas | do | do | do | 11921-A | Do. |
| Hayzlett, C. W | Frederick | do | Rocky Mountain Fuel Co. | 11925-A | Do. |
| Marshall, James | do | do | Russell Coal Co | 11961 | Do. |
| Watson, Murray | do | do | do | 11920-A | Do. |
| Whiles, E. H | do | do | Rocky Mountain Fuel Co. | 11919-A | Do. |

DISTRICT OF COLUMBIA.

| | | | | | |
|---|---|---|---|---|---|
| Bradley, W. W | Washington, D. C. | | Lieutenant, U. S. Navy | 10154-A | May, 1915. |
| Robertson, C. T | do | | Editorial assistant, U. S. Bureau of Mines. | 8723-A | January, 1915. |
| Meyer, H. E | do | | Clerk, U. S. Bureau of Mines. | 8042-A | Do. |
| Morey, J. D | do | | Copyist, U. S. Bureau of Mines. | 15944-A | March, 1916. |
| Naylor, T. H | do | | Clerk, U. S. Bureau of Mines. | 11330-A | June, 1915. |

IDAHO.

| | | | | | |
|---|---|---|---|---|---|
| Bloom, S. S | Moscow | Latah | Student, University of of Idaho. | 13097-A | November, 1915. |
| Hall R. R | do | do | do | 13099-A | Do. |
| Holden, N. E | do | do | do | 13098-A | Do. |
| McCormick, J. C | do | do | do | 13100 | Do. |
| Olsen, Peter | Black Bear | Shoshone | Federal Mng. & Smg. Co. | 12387 | October, 1915. |
| Verunda, Batt | do | do | do | 12388 | Do. |
| Brann, Sigurd | Burke | do | Marsh Mng. Co | 11882-A | September, 1915. |
| Branstrom, R | do | do | do | 11887-A | Do. |
| Chirm, Richard | do | do | Hecla Mng. Co | 11881-A | Do. |
| Cook, R. A | do | do | do | 11890-A | Do. |
| Duffy, Peter | do | do | Greenhill Cleveland Mng. Co. | 12357-A | October, 1915. |
| Farthing, Benjamin | do | do | Hecla Mng. Co | 11888-A | September, 1915. |
| Greenaugh, R | do | do | Marsh Mng. Co | 11886-A | Do. |
| Grunenwald, G | do | do | do | 11883-A | Do. |

IDAHO—Conttinued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Hogsett, R. H | Burke | Shoshone | Hecla Mng. Co | 11885-A | September, 1915. |
| Plumlee, J. M | do | do | do | 11952-A | Do. |
| Williamson, B | do | do | do | 11889-A | Do. |
| York, F. A | do | do | do | 11884-A | Do. |
| Downing, Charles | Kellogg | do | Stewart Mng. Co | 12375-A | October, 1915. |
| Harris, Archie | do | do | do | 12373-A | Do. |
| Johnson, O. R | do | do | do | 12376-A | Do. |
| Keon, Wilfred | do | do | do | 12372-A | Do. |
| Tasainer, D. J | do | do | do | 12374-A | Do. |
| Hillman, John | Mace | do | Green Hill Cleveland Mng. Co. | 12359 | Do. |
| Kelly, T. E | do | do | do | 12356-A | Do. |
| Mickelson, Matthew | do | do | do | 12390 | Do. |
| Newell, William | do | do | do | 12358-A | Do. |
| Dean, Lon | Mullan | do | Federal Mng. & Smg. Co | 11928-A | September, 1915. |
| Henderson, C. H | do | do | Old Hunter Mng. Co | 11926-A | Do. |
| Hodgins, A. W | do | do | Federal Mng. & Smg. Co | 11929-A | Do. |
| Joslin, W. H | do | do | do | 11927-A | Do. |
| McDonald, D. C | do | do | do | 11931-A | Do. |
| Rodgers, Thomas | do | do | do | 11930-A | Do. |
| Bennett, Harry | Sunset | do | Interstate Callahan Mng. Co. | 12381-A | October, 1915. |
| Biddison, N. A | do | do | do | 12383-A | Do. |
| Brown, Henry | do | do | Success Mng. Co | 12378-A | Do. |
| Dermott, W. B | do | do | Tamrack & Custer Mng. Co. | 12385-A | Do. |
| Humphrey, T. Z | do | do | Interstate Callahan Mng. Co. | 6281-A | Do. |
| Hunter, G. C | do | do | Success Mng. Co | 12377-A | Do. |
| Probach, Paul | do | do | Tamrack & Custer Mng. Co. | 12380-A | Do. |
| Ringquist, A | do | do | Interstate Callahan Mng. Co. | 12382-A | Do. |
| Olson, Richard | do | do | do | 12386-A | Do. |
| Schilling, F. A | do | do | Tamrack & Custer Mng. Co. | 12379-A | Do. |
| Arluck, A. A | Wallace | do | Interstate Calahan Mng. Co. | 12384-A | Do. |

ILLINOIS.

| | | | | | |
|---|---|---|---|---|---|
| O'Connor, Henry | Spring Valley | Bureau | Magney 3d Vein Coal Co. | 11951 | September, 1915. |
| Williams, R. Y | Urbana | Champaign | Mining engineer | 12727-A | October, 1915. |
| Sawalich, William | New Baden | Clinton | Southern Coal & Coke Co. | 11904-A | September, 1915. |
| Anderson, W | Benton | do | Hart & Williams Coal Co. | 10382-A | May, 1915. |
| Carraher, M. J | do | do | Illinois Mine Rescue Station Commission. | 10377-A | Do. |
| Hutchison, R | do | do | Hart & Williams Coal Co. | 10381-A | Do. |
| Marshall, Alexander. | do | do | do | 10379-A | Do. |
| Marshall, M | do | do | do | 10378-A | Do. |
| Seymore, F. H | do | do | Middle Forks Mng. Co. | 11901-A | September, 1915. |
| Watson, William | do | do | Benton Coal Co | 10380-A | May, 1915. |
| Poole, H. F | Christopher | Franklin | Bell & Zoler Mng. Co | 11902-A | Do. |
| Adams, L. D | Galena | Jo Daviess | Mineral Point Zinc Co. | 8761-A | January, 1915. |
| Smith, J. J | do | do | Mineral Point Zinc Co | 8032-A | Do. |
| Jones, Alexander | La Salle | La Salle | Illinois Mine Rescue Station Commission. | 7013-A | February, 1915. |
| McMillin, W. J | do | do | do | 7291-A | August, 1914. |
| Towal, James | do | do | do | 7290-A | Do. |
| Frew, Robert | Gillespie | Macoupin | Superior Coal Co | 11900-A | September, 1915. |
| Hoehn, Roy | do | do | do | 11949 | Do. |
| Wilcox, C. C | do | do | do | 11950 | Do. |
| Williams, H. E | do | do | do | 11898-A | Do. |

ILLINOIS—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Oettel, Paul | Glen Carbon | Madison | Consolidation Coal Co. | 7289-A | August, 1914. |
| Brown, John | Troy | do | Dunk Bros. Coal Co. | 11891-A | September, 1915. |
| Mosiman, Fred | do | do | do | 11892-A | Do. |
| Lenzini, Joseph | Centralia | Marion | Bell & Zuber Coal Co. | 11895-A | Do. |
| Evans, John | Eldorado | Saline | O'Gara Coal Co. | 11893-A | Do. |
| Bartel, Henry | Divernon | Sangamon | Madison Coal Co. | 11896-A | Do. |
| Hindmarsh, J. W. | Riverton | do | Springfield Coal Mng. Co. | 11908-A | Do. |
| Cartlidge, O | Springfield | do | Illinois Mine Rescue Station Commission. | 10383-A | May, 1915. |
| Easton, H. D | do | do | Illinois Miners & Mech. Inst. | 11906-A | September, 1915. |
| Smith, W. T | do | do | Springfield Coal Mng. Co. | 11947 | Do. |
| Tarases, Joseph | do | do | do | 11948 | Do. |
| Sullivan, P | do | do | Woodside Coal Co. | 11899-A | Do. |
| Erlinger, E. G | Belleville | St. Clair | Suburban Coal Co. | 11903-A | Do. |
| Ellis, W. H | Carterville | Williamson | Madison Coal Corp. | 11897-A | Do. |
| Meredith, David | Herrin | do | Big Muddy Coal Co. | 11905-A | Do. |
| Dick, Frederick | do | do | Pond Creek Coal Co. | 11894-A | Do. |
| Sine, Charles A | Johnson City | do | Associated Companies. | 17197-A | May, 1916. |

INDIANA.

| | | | | | |
|---|---|---|---|---|---|
| Lowe, Jesse | Brazil | Clay | Vandalia Coal Co. | 14001-A | December, 1915. |
| Scollard, M. J | do | do | State mine inspector | 14721-A | January, 1916. |
| Cottriel, C. C | Oakland City | Gibson | Muren Coal Co. | 15451-A | March, 1916. |
| Bledace, Luke | Cass | Greene | Vandalia Coal Co. | 14006-A | December, 1915. |
| Collins, Harry | do | do | do | 14010-A | Do. |
| Keller, W. C | do | do | do | 14005-A | Do. |
| Baker, Homer | Jasonville | do | Green Valley Coal Co. | 13984-A | Do. |
| Crow, Clark | do | do | Vandalia Coal Co. | 13985-A | Do. |
| Devlin, Charles | do | do | Colora Coal Co. | 13982-A | Do. |
| Devlin, E. R | do | do | do | 13981-A | Do. |
| Edwards, William | do | do | do | 13983-A | Do. |
| Kimmel, Edward | do | do | Vandalia Coal Co. | 13989-A | Do. |
| Ladson, Carl | do | do | do | 13987-A | Do. |
| Ladson, Mort | do | do | do | 13986-A | Do. |
| Rowell, William | do | do | do | 13988-A | Do. |
| Boyle, John | Linton | do | do | 14015-A | Do. |
| Currans, William | do | do | do | 14003-A | Do. |
| Davis, J. E | do | do | do | 14007-A | Do. |
| Evans, John | do | do | do | 14014-A | Do. |
| Helzedick, William | do | do | do | 14012-A | Do. |
| McPhail, David | do | do | do | 14016-A | Do. |
| McQuade, Edward | do | do | do | 14011-A | Do. |
| Bogle, F. W | Bicknell | Knox | Knox Coal Co. | 13607-A | November, 1915. |
| Carlisle, James | do | do | Indian Creek Mng. Co. | 13605-A | Do. |
| Collins, Robert | do | do | Tecumseh Coal Co. | 13597-A | Do. |
| Creighton, Guy | do | do | Bicknell Mng. Co. | 13601-A | Do. |
| Deal, Charles | do | do | Tecumseh Coal Co. | 13596-A | Do. |
| Deal, Russell | do | do | do | 13598-A | Do. |
| Drever, William | do | do | Knox Coal Co. | 13606-A | Do. |
| Donnell, J. O | do | do | Indian Creek Coal Co. | 13602-A | Do. |
| Eadie, Fred | do | do | Knox Mining Co. | 13604-A | Do. |
| Fitzpatrick, C. G | do | do | Indian Creek Mng. Co. | 13608-A | Do. |
| Hall, Robert | do | do | do | 13609-A | Do. |
| Martin, Val | do | do | Tecumseh Coal Co. | 13594-A | Do. |
| Noble, Harry | do | do | do | 13611-A | Do. |
| Pickett, Albin | do | do | do | 13595-A | Do. |
| Puckett, Louis | do | do | do | 13600-A | Do. |
| Reynolds, Thomas | do | do | do | 13603-A | Do. |
| Wininger, Daniel | do | do | Indian Creek Coal Co. | 13599-A | Do. |
| Wininger, William | Bruceville | do | Shot firer | 13610-A | Do. |
| Barlow, John | Ayreshire | Pike | Ingle Coal Co. | 15442-A | March, 1916. |
| Bush, Joda | do | do | do | 15459-A | Do. |
| Hedges, Walter | do | do | do | 15472-A | Do. |
| Madden, Thomas | do | do | do | 15454-A | Do. |
| Noland, Fred | do | do | do | 15440-A | Do. |
| Sharp, Archie | do | do | Muren Coal Co. | 15449-A | Do. |
| Sharp, Harry | do | do | Ingle Coal Co. | 15455-A | Do. |

INDIANA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Ashby, Leo | Winslow | Pike | Ashby Coal Co | 15460-A | March, 1916. |
| Ashby, Frank | do | do | Ingle Coal Co | 15450-A | Do. |
| Benedick, George | do | do | do | 15468-A | Do. |
| Bonenberger, L | do | do | do | 15471-A | Do. |
| Boyhlin, John | do | do | do | 15473-A | Do. |
| Brewster, Clark | do | do | do | 15464-A | Do. |
| Briggs, James | do | do | do | 15441-A | Do. |
| Broshers, Orvil | do | do | do | 15446-A | Do. |
| Burns, John | do | do | do | 15445-A | Do. |
| Burns, William | do | do | do | 15444-A | Do. |
| Cross, Oliver | do | do | do | 15453-A | Do. |
| Deadman, Herbert | do | do | do | 15470-A | Do. |
| Eades, R. H | do | do | do | 15469-A | Do. |
| Ellison, William | do | do | do | 15465-A | Do. |
| Johnson, Verner | do | do | do | 15457-A | Do. |
| Lagel, John | do | do | do | 15462-A | Do. |
| Lattell, Jesse | do | do | do | 15439-A | Do. |
| Minnis, Elmer | do | do | do | 15458-A | Do. |
| Mills, Albert | do | do | do | 15461-A | Do. |
| Perkils, Scot | do | do | do | 15448-A | Do. |
| Poehlein, William | do | do | do | 15474-A | Do. |
| Powell, J. W | do | do | do | 15438-A | Do. |
| Sohade, Walter | do | do | do | 15463-A | Do. |
| Southwood, S | do | do | do | 15467-A | Do. |
| Stephens, James | do | do | do | 15466-A | Do. |
| Tyner, L. F | do | do | do | 15456-A | Do. |
| Wickware, George | do | do | do | 15443-A | Do. |
| Wolsey, F. C | do | do | do | 15447-A | Do. |
| Young, T. C | do | do | do | 15452-A | Do. |
| Craighead, James | Dugger | Sullivan | Vandalia Coal Co | 14008-A | December, 1915. |
| Crampe, Emile | do | do | do | 14009-A | Do. |
| Robertson, C | do | do | do | 14004-A | Do. |
| Davies, W. R | Paxton | do | J. Wooley Coal Co | 7510-A | September, 1914. |
| Henderson, James | do | do | do | 7514-A | Do. |
| Hughes, Charles | do | do | do | 7513-A | Do. |
| Sturgeon, O. F | do | do | do | 7512-A | Do. |
| Worth, Ruben | do | do | do | 7511-A | Do. |
| Church, Edward | Sullivan | do | Deputy State mine inspector. | 13991-A | December, 1915. |
| Behagg, Henry | Evansville | Vanderburgh | Crescent Coal Co | 18454-A | June, 1916. |
| Fisher, B. F | do | do | do | 18447-A | Do. |
| Gardner, Frank | do | do | do | 18460-A | Do. |
| Harris, William | do | do | do | 18467-A | Do. |
| Hopkins, Thomas | do | do | do | 18461-A | Do. |
| Hoskins, Homer | do | do | do | 18452-A | Do. |
| Keith, George | do | do | do | 18453-A | Do. |
| Leigh, John | do | do | do | 18451-A | Do. |
| McCain, M. F | do | do | do | 18450-A | Do. |
| McWilliams, B | do | do | do | 18445-A | Do. |
| McWilliams, E | do | do | do | 18446-A | Do. |
| McWilliams, W. L | do | do | do | 18449-A | Do. |
| Moody, William | do | do | do | 18456-A | Do. |
| Nelson, Sidney | do | do | do | 18462-A | Do. |
| Patterson, W. W | do | do | do | 18444-A | Do. |
| Pitchers, Oscar | do | do | do | 18459-A | Do. |
| Randolph, James | do | do | do | 18466-A | Do. |
| Singleton, John | do | do | do | 18457-A | Do. |
| Shad, Jacob | do | do | do | 18448-A | Do. |
| Shimmell, Harry | do | do | do | 18463-A | Do. |
| Snorton, Arthur | do | do | do | 18464-A | Do. |
| Summy, Noah | do | do | do | 18465-A | Do. |
| Switzer, John | do | do | do | 18455-A | Do. |
| Wingerter, Otto | do | do | do | 18458-A | Do. |
| Cloyd, Guy | Clinton | Vermillion | Clinton Coal Co | 7829-A | October, 1914. |
| Ferguson, Arthur | do | do | do | 7826-A | Do. |
| Godden, James | do | do | W. S. Bogle Coal Co | 14688-A | January, 1916. |
| Huritt, Arthur | do | do | J. K. Dering Coal Co | 7832-A | October, 1914. |
| Johnson, Ernest | do | do | Clinton Coal Co | 7828-A | Do. |
| Lowe, Harry | do | do | do | 7827-A | Do. |
| Lowler, C. M | do | do | Shirkie Coal Co | 14685-A | January, 1916. |
| Lowler, Lawrence | do | do | W. S. Bogle Coal Co | 14686-A | Do. |
| Meyers, Charles | do | do | Shirkie Coal Co | 14687-A | Do. |
| McKillop, Daniel | do | do | Bunsen Coal Co | 7823-A | October, 1914. |
| McNair, George | do | do | do | 7831-A | Do. |
| McNair, James | do | do | do | 7821-A | Do. |
| Spears, A. D | do | do | Clinton Coal Co | 7830-A | Do. |
| Steen, Andrew | do | do | Bunsen Coal Co | 7822-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Thomas, R. H. | Clinton | Vermillion | Bunsen Coal Co. | 7824-A | October, 1914. |
| Waters, George | do | do | J. K. Dering Coal Co. | 7825-A | Do. |
| Phillips, Kirk | North Terre Haute. | Vigo | W. S. Bogle Coal Co. | 14689-A | January, 1916. |
| Russell, T. J | Terre Haute | do | Independent Operators' Reciprocal Organization. | 13990-A | December, 1915. |
| Aiken, John | do | do | Coal Bluff Mng. Co. | 14712-A | January, 1916. |
| Blanchard, Wm | do | do | Shirkie & Bogle Coal Co. | 14722-A | Do. |
| Clayton, Charles | do | do | Coal Bluff Mng. Co. | 14714-A | Do. |
| Constance, L. A | do | do | Sunbeam Coal Co. | 13996-A | December, 1915. |
| Douglas, J. B. | do | do | Shirkie & Bogle Coal Co. | 14723-A | January, 1916. |
| Grimes, G. A | do | do | Shirkie Coal Co. | 14684-A | Do. |
| Hawkins, Forrest | do | do | Lower Vein Coal Co. | 14713-A | Do. |
| Kennedy, Andrew | do | do | Richards Lower Vein Coal Co. | 14683-A | Do. |
| Lloyd, Ben | do | do | Sunbeam Coal Co. | 14682-A | Do. |
| Miller, C. F. | do | do | do | 14716-A | Do. |
| Mitch, George | do | do | Shirkie Coal Co. | 14716-A | Do. |
| Mitch, Louis | do | do | Shirkie & Bogle Coal Co. | 14725-A | Do. |
| Owens, David | do | do | Lower Vein Coal Co. | 14002-A | December, 1915. |
| Owens, Richard | do | do | do | 13992-A | Do. |
| Powell, C. O | do | do | do | 14720-A | January, 1916. |
| Rodenbaugh, Alexander. | do | do | do | 13993-A | December, 1915. |
| Scott, John | do | do | Vandalia Coal Co. | 13999-A | Do. |
| Smith, James | do | do | Lower Vein Coal Co. | 14717-A | January, 1916. |
| Smith, Albert | do | do | do | 13998-A | December, 1915. |
| Stark, James F | do | do | do | 13997-A | Do. |
| Stuart, C. P | do | do | Shirkie & Bogle Coal Co. | 14691-A | January, 1916. |
| Swartz, Peter | do | do | Lower Vein Coal Co. | 13994-A | December, 1915. |
| Winey, Jesse | do | do | Sunbeam Coal Co. | 14719-A | January, 1916. |
| Bentham, George | West Terre Haute. | do | Vandalia Coal Co. | 13995-A | December, 1915. |
| Caine, John | do | do | Lower Vein Coal Co. | 14000-A | Do. |
| Evans, Evan | do | do | Deep Fourth Vein Coal Co. | 14724-A | January, 1916. |
| Kennedy, Robert | do | do | Richards Lower Vein Coal Co. | 14690-A | Do. |
| Kennedy, William | do | do | Lower Vein Coal Co. | 14681-A | Do. |
| Latimas, Osee | do | do | do | 14715-A | Do. |

IOWA.

| | | | | | |
|---|---|---|---|---|---|
| Burch, George | Madrid | Boone | Scandia Coal Co. | 13516-A | April, 1916. |
| Grant, Walter | do | do | do | 13528-A | Do. |
| Pierce, H. B | do | do | do | 13490-A | Do. |
| Turner, Frank | do | do | do | 13512-A | Do. |
| Fransen, Martin | High Bridge | Dallas | High Bridge Coal Co. | 14664-A | January, 1916. |
| Grant, James | do | do | do | 14663-A | Do. |
| Harvey, Ernest | do | do | do | 14665-A | Do. |
| Todd, B. J | do | do | do | 14628 | Do. |
| Farnsworth, Edgar | Oskaloosa | Mahaska | Bidwell Coal Co. | 15956-A | March, 1916. |
| Campbell, James | Bussey | Marion | Rex Fuel Co. | 14829 | January, 1916. |
| Connor, Fred | do | do | do | 14766-A | Do. |
| Courtney, Ernest | do | do | do | 14763-A | Do. |
| Dupont, Rene | do | do | do | 14765-A | Do. |
| Hilley, Frank | do | do | do | 14762-A | Do. |
| Scohy, A. N | do | do | do | 14764-A | Do. |
| Allen, Edward | Buxton | Monroe | Consolidation Coal Co. | 7352-A | August, 1914. |
| Cadell, Charles | do | do | do | 7357-A | Do. |
| Coop, Richard | do | do | do | 7358-A | Do. |
| Hunt, J. P | do | do | do | 7356-A | Do. |
| James, L. J | do | do | do | 7350-A | Do. |
| Jones, J. R | do | do | do | 7354-A | Do. |
| Lee, D. M | do | do | do | 7351-A | Do. |
| Lee, W. J | do | do | do | 7349-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Peterson, Edward | Buxton | Monroe | Consolidation Coal Co. | 7355-A | August, 1914. |
| Thomas, W. J | do | do | do | 7353-A | Do. |
| Cain, J. O | Foster | do | Phillips Coal Co | 15990-A | March, 1916. |
| Cherrington, Edward | do | do | do | 15989-A | Do. |
| Lewis, Edward | do | do | do | 15987-A | Do. |
| Winfield, John | do | do | do | 15992-A | Do. |
| Winfield, Harry | do | do | do | 15991-A | Do. |
| Winfield, T. R | do | do | do | 15988-A | Do. |
| Roberts, E. F | Ankeny | Polk | Saylor Coal Co | 16020 | Do. |
| Carlstadt, A | Des Moines | do | Gibson Coal Co | 16019 | Do. |
| Wagner, S. E | do | do | South Des Moines Coal Co. | 16018 | Do. |
| Weaver, B. W | do | do | Fire station (lieutenant). | 16017 | Do. |
| Welch, W. M | do | do | South Des Moines Coal Co. | 16015 | Do. |
| Wheeler, Fred | do | do | do | 16016 | Do. |
| Davis, B. L | Bearcreek | Wapello | Phillips Coal Co | 16022 | Do. |
| Jones, Idris | do | do | do | 15837 A | Do. |
| Owens, Lawrence | do | do | do | 15839-A | Do. |
| Richards, John | do | do | do | 15838-A | Do. |
| Anderson, William | Bidwell | do | Bidwell Coal Co | 15952-A | Do. |
| Davis, Ona | do | do | do | 15954-A | Do. |
| Davis, W. D | do | do | do | 15955-A | Do. |
| Fisher, E. E | do | do | do | 15951-A | Do. |
| Kincaed, John | do | do | do | 15950-A | Do. |
| Weese, Delno | do | do | do | 15953-A | Do. |
| Moses, William | Ottumwa | do | Phillips Coal Co | 16021 | Do. |
| Simpson, W. C | do | do | do | 16023 | Do. |

KANSAS.

| | | | | | |
|---|---|---|---|---|---|
| Gardner, Robert | Carona | Cherokee | Crowe Mng. Co | 13377-A | November, 1915. |
| Sopok, William | do | do | do | 13376-A | Do. |
| Cunningham, Lorain. | Columbus | do | Student | 11756-A | Do. |
| Depire, Frank | do | do | Central Coal & Coke Co | 13387-A | Do. |
| Holt, Harold | do | do | do | 13386-A | Do. |
| Hopkins, Henry | do | do | do | 13400 | Do. |
| McElroy, Foster | do | do | do | 13385-A | Do. |
| Sivil, Victor | do | do | do | 13399 | Do. |
| Moore, G. E | Scammon | do | Cherokee Crescent Coal Co. | 13398 | Do. |
| Ahrens, H. D | Weir | do | Professor, School of Mines. | 11761-A | Do. |
| Brown, T. F | do | do | Student, School of Mines. | 11753-A | Do. |
| Cote, Homer | do | do | do | 11754-A | Do. |
| Crawford, T. R | do | do | do | 11759-A | Do. |
| Hamilton, W. A | do | do | Student | 11763-A | Do. |
| Corsoro, Joseph | Arma | Crawford | J. R. Crowe Coal & Mng. Co. | 14448-A | January, 1916. |
| Dahout, Arthur | do | do | Western Coal & Mng. Co. | 14447-A | Do. |
| Durkin, J. E | do | do | do | 14453-A | Do. |
| Hefton, Howard | do | do | J. R. Crowe Coal & Mng. Co. | 14449-A | Do. |
| Hemmy, Eugene | do | do | Western Coal & Mng. Co. | 14446-A | Do. |
| Miller, Charles | do | do | do | 14451-A | Do. |
| Scoville, Ross | do | do | Hamilton Coal Co | 14452-A | Do. |
| Smithpoters, C. W | do | do | Western Coal & Mng. Co. | 14450-A | Do. |
| Beedle, T. R | Franklin | do | Western Coal & Mng. Co. | 14023-A | December, 1915. |
| Harvey, Benjamin | do | do | do | 11545 | June, 1915. |
| Kranker, Antone | do | do | do | 11752-A | January, 1916. |
| Myers, J. W | do | do | do | 14024-A | December, 1915. |

KANSAS—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Roimachek, Louis | Franklin | Crawford | Western Coal & Mng. Co. | 14067 | December, 1915. |
| Szczepanske, J. | do | do | do | 14025-A | Do. |
| Wayenberg, John | do | do | do | 11546 | June, 1915. |
| Brennan, Walter | Frontenac | do | Cherokee & Pittsburg Coal Mng. Co. | 12368-A | October, 1915. |
| Davies, J. F | do | do | Clemons Coal Co | 11547 | June, 1915. |
| McQuade, Patrick | do | do | Cherokee & Pittsburgh Coal Mng. Co. | 12366-A | October, 1915. |
| O'Donnell, Thomas | do | do | do | 12367-A | Do. |
| Carpenter, C. B | Girard | do | Professor, School of Mines. | 13759 | November, 1915. |
| Haney, W. B | do | do | Cherokee Crescent Coal Co. | 14017-A | December, 1915. |
| McGregor, Robert | do | do | do | 14022-A | Do. |
| Shaw, I. W | do | do | do | 14020-A | Do. |
| Story, J. J | do | do | do | 14021-A | Do. |
| Story, Roy | do | do | do | 14018-A | Do. |
| Weimer, R. S | do | do | Student, School of Mines. | 11760-A | November, 1915. |
| Weimer, Earl | do | do | do | 11755-A | Do. |
| Vanpevenach, A | do | do | Cherokee Crescent Coal Co. | 14019-A | December, 1915. |
| Allister, Thomas | Gross | do | Sheridan Coal & Mng. Co. | 14384-A | January, 1916. |
| Bean, Orlando | do | do | Gray Wolf Mng. Co | 14385-A | Do. |
| Burgin, Burt | do | do | Sheridan Coal & Mng. Co. | 14379-A | Do. |
| Culler, L. B | do | do | J. R. Crowe Mng. Co | 14387-A | Do. |
| Long, Edward | do | do | Sheridan Coal & Mng. Co. | 14386-A | Do. |
| Quail, John | do | do | do | 14383-A | Do. |
| Rushford, Ira | do | do | do | 14382-A | Do. |
| Thompson, J. W | do | do | do | 14380-A | Do. |
| Winnett, Lon | do | do | do | 14381-A | Do. |
| Coates, Ernest | Mulberry | do | Spencer-Newlands Coal Co. | 14679-A | Do. |
| Hall, James, jr | do | do | Clemons Coal Co | 14680-A | Do. |
| Greek, William | do | do | Spencer Newland Coal Co. | 14675-A | Do. |
| Sadie, Fred | do | do | Clemons Coal Co | 14678-A | Do. |
| Speenheur, Edward | do | do | do | 14676-A | Do. |
| Stanton, Herbert | do | do | do | 14677-A | Do. |
| Davis, A. L | Pittsburgh | do | Clemons Coal Co | 7375-A | August, 1914. |
| Dennis, Leroy | do | do | Kansas City Street Ry | 7376-A | Do. |
| Keegan, Francis | do | do | Chief mine inspector | 7377-A | Do. |
| Knoll, George | do | do | State mine inspector | 11826-A | September, 1915. |
| Manning, Edward | do | do | Student, School of Mines. | 13760 | November, 1915. |
| Maletz, Fred | do | do | Kansas City Street Ry | 11938 | September, 1915. |
| Paisley, C. E | do | do | State mine inspector | 11827-A | Do. |
| Pellegrino, John | do | do | Chief mine inspector | 11825-A | Do. |
| Sherwood, James | do | do | State mine inspector | 11824-A | Do. |
| Taylor, James | do | do | Cherokee Crescent Coal Co. | 11946 | Do. |
| Bertone, George | Radley | do | Girard Coal Co | 13783-A | November, 1915. |
| Anderson, Carl | Lawrence | Douglas | Student | 14929-A | February, 1916. |
| Cole, L. E | do | do | do | 14931-A | Do. |
| Crum, Harry | do | do | do | 14930-A | Do. |
| Dorsey, E. F | do | do | do | 14922-A | Do. |
| Fairchild, H. E | do | do | do | 14926-A | Do. |
| Fiske, Leland | do | do | do | 14919-A | Do. |
| Grider, R. L | do | do | Professor | 14927-A | Do. |
| Hainbach, Joseph | do | do | Student | 14918-A | Do. |
| Kirtland, John | do | do | do | 14925-A | Do. |
| Mickey, S. W | do | do | do | 14920-A | Do. |
| Page, J. H | do | do | do | 14923-A | Do. |
| Reedy, Howard | do | do | do | 14932-A | Do. |
| Sammonds, George | do | do | do | 14921-A | Do. |
| Terrill, A. C | do | do | Professor | 14928-A | Do. |
| Winters, Ray | do | do | Student | 14934-A | Do. |
| Wokenhut, C. J | do | do | do | 14933-A | Do. |
| McFarlan, J. T | Burlingame | Osage | Kansas City Street Railway Co. | 7374-A | August, 1914. |

KENTUCKY.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Bledsoe, R. C. | Balkan | Bell | Southern Mng. Co. | 16960-A | May, 1916. |
| Chaffins, Russell | do | do | do | 16957-A | Do. |
| Childers, Charles | do | do | do | 16956-A | Do. |
| Davis, Andrew | do | do | do | 16958-A | Do. |
| Hughes, C. W. | do | do | do | 16959-A | Do. |
| Beirne, J. C. | Milburn | Carlisle | Milburn Coal Co. | 16961-A | Do. |
| Broughton, L. G. | Coxton | Harlan | Lick Branch Coal Co. | 16952-A | Do. |
| Coffee, L. G. | Black Joe | do | Wallins Creek Coal Co. | 17031-A | Do. |
| Friar, S. T. | Coxton | do | Lick Branch Coal Co. | 16954-A | Do. |
| Reece, Reece | do | do | do | 16955-A | Do. |
| Sumner, M. C. | do | do | do | 16951-A | Do. |
| Wagoner, W. A. | do | do | do | 16953-A | Do. |
| Andrews, Blain | Harlan | do | Harlan Gas Coal Co. | 16268-A | April, 1916. |
| Barton, James P. | do | do | Wallins Creek Coal Co. | 17030-A | May, 1916. |
| Fulk, W. A. | do | do | do | 17034-A | Do. |
| Howard, Emmett | do | do | Harlan Gas Coal Co. | 16270-A | April, 1916. |
| Martin, C. C. | do | do | do | 16267-A | Do. |
| Messer, John | do | do | Wallins Creek Coal Co. | 17033-A | May, 1916. |
| Rhodes, E. T. | do | do | Harlan Gas Coal Co. | 16269-A | April, 1916. |
| White, Ed | do | do | do | 16271-A | Do. |
| Anderson, John | Kitts | do | Clover Fork Coal Co. | 16280-A | Do. |
| Bedwell, S. | do | do | do | 16277-A | Do. |
| Hatton, Marion | do | do | Golden Ash Coal Co. | 16272-A | Do. |
| Large, J. H. | do | do | Clover Fork Coal Co. | 16278-A | Do. |
| Le Force, William | do | do | do | 16279-A | Do. |
| Doughorty, William | do | do | do | 16276-A | Do. |
| Goshen, John | do | do | Golden Ash Coal Co. | 16274-A | Do. |
| Spurlock, William | do | do | do | 16275-A | Do. |
| Stringer, B. H. | do | do | do | 16273-A | Do. |
| Barton, Wiley | Wallins Creek | do | Wallins Creek Coal Co. | 17035-A | May, 1916. |
| McGinnis, G. W. | do | do | do | 17032-A | Do. |
| Blair, Alexander | Baskett | Henderson | Pittsburgh Coal Co. | 15840-A | March, 1916. |
| Davis, Richard | do | do | do | 15848-A | Do. |
| Goodley, B. H. | do | do | do | 15850-A | Do. |
| Harp, Delven | do | do | do | 15846-A | Do. |
| Higgins, E. S. | do | do | do | 15853-A | Do. |
| Jackson, Lonnie | do | do | do | 15845-A | Do. |
| Landers, Loe | do | do | do | 15852-A | Do. |
| Posey, Robert | do | do | do | 15841-A | Do. |
| Spencer, Claud | do | do | do | 15843-A | Do. |
| Taylor, Walter | do | do | do | 15842-A | Do. |
| Taylor, William | do | do | do | 15844-A | Do. |
| Thurman, Walter | do | do | do | 15851-A | Do. |
| Walden, H. | do | do | do | 15849-A | Do. |
| Vauzandt, Wynn | do | do | do | 15847-A | Do. |
| Alves, Robert | Henderson | do | Peoples Mng. Co. | 15974-A | Do. |
| Caldwell, John | do | do | do | 15983-A | Do. |
| Christison, Stewart | do | do | do | 15976-A | Do. |
| Collins, Charles | do | do | do | 15977-A | Do. |
| Collins, J. U. | do | do | do | 15969-A | Do. |
| Davis, Titus E. | do | do | do | 15981-A | Do. |
| Floyd, Ben W. | do | do | do | 15986-A | Do. |
| Goldsbery, Robert | do | do | do | 15970-A | Do. |
| Halliburton, W. K. | do | do | do | 15972-A | Do. |
| Holrook, W. O. | do | do | do | 15978-A | Do. |
| Hopgood, W. C. | do | do | do | 15975-A | Do. |
| Madden, W. L. | do | do | do | 15984-A | Do. |
| Morris, James | do | do | do | 15980-A | Do. |
| Payne, Joseph | do | do | do | 15971-A | Do. |
| Raymond, Arthur | do | do | do | 15973-A | Do. |
| Raymond, John | do | do | do | 15982-A | Do. |
| Sanderfers, R. E. | do | do | do | 15968-A | Do. |
| Steel, Euria | do | do | do | 15879-A | Do. |
| Wilkie, A. C. | do | do | do | 15985-A | Do. |
| Blair, T. H. | Earlington | Hopkins | St. Barnard Mng. Co. | 16290-A | April, 1916. |
| Bunch, Preston | do | do | do | 16295-A | Do. |
| Cain, F. D. | do | do | do | 16282-A | Do. |
| Cobb, Raymond | do | do | do | 16293-A | Do. |
| East, Oscar | do | do | do | 16296-A | Do. |
| Eberle, William | do | do | do | 16292-A | Do. |
| Foley, Ben | do | do | do | 16298-A | Do. |
| Gamblin, O. F. | do | do | do | 16299-A | Do. |
| Greer, J. D. | do | do | do | 16284-A | Do. |
| Newbold, Arthur | do | do | do | 16283-A | Do. |
| Nicholas, Lee | do | do | do | 16297-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Patterson, E. J | Earlington | Hopkins | St. Barnard Mng. Co | 16287-A | April, 1916. |
| Pearce, C. L | do | do | do | 16288-A | Do. |
| Phillips, S. L | do | do | do | 16291-A | Do. |
| Rodgers, C. A | do | do | do | 16285-A | Do. |
| Stokes, Marion | do | do | do | 16289-A | Do. |
| Taylor, J. R | do | do | do | 16281-A | Do. |
| Vinson, W. A | do | do | do | 16294-A | Do. |
| Arnold, E. M | Madisonville | do | do | 16989-A | May, 1916. |
| Arnold, S. T | do | do | Reinecke Coal Co | 17008-A | Do. |
| Bearden, James | do | do | do | 17002-A | Do. |
| Bourland, E. C | do | do | Coil Coal Co | 16994-A | Do. |
| Brown, E | do | do | Reinecke Coal Co | 16990-A | Do. |
| Diggs, W. E | do | do | Coil Coal Co | 16992-A | Do. |
| Dukes, L. W | do | do | Reinecke Coal Co | 17006-A | Do. |
| Edwards, James | do | do | do | 17004-A | Do. |
| Griffin, H. W | do | do | do | 17003-A | Do. |
| Harrison, J. M | do | do | do | 17005-A | Do. |
| McGary, W. T | do | do | Coil Coal Co | 16998-A | Do. |
| Nisbet, Charles | do | do | do | 16995-A | Do. |
| Osborne, Lester | do | do | do | 16997-A | Do. |
| Peyton, Bernard | do | do | do | 16996-A | Do. |
| Roberts, C. W | do | do | Reinecke Coal Co | 17007-A | Do. |
| Roberts, P. Q | do | do | do | 17001-A | Do. |
| Simons, Jesse | do | do | Coil Coal Co | 16993-A | Do. |
| Skinner, E. J | do | do | Reinecke Coal Co | 16991-A | Do. |
| Stokes, Jasper | do | do | do | 17000-A | Do. |
| Williams, P. C | do | do | do | 16999-A | Do. |
| Durham, Jackson | Mortons | do | St. Barnard Mng. Co | 16286-A | April, 1916. |
| Belcher, William | Nortonville | do | Norton Coal Mng. Co | 16251-A | Do. |
| Delaney, H. C | do | do | do | 16250-A | Do. |
| Denton, J. H., jr | do | do | do | 16253-A | Do. |
| Hutson, W. D | do | do | do | 16262-A | Do. |
| Keplinger, Fred | do | do | do | 16263-A | Do. |
| Kennedy, E. C | do | do | do | 16252-A | Do. |
| Lander, J. S | do | do | do | 16265-A | Do. |
| Lanier, S. S. jr | do | do | do | 16248-A | Do. |
| Long, James | do | do | do | 16254-A | Do. |
| Morgan, Fonzo | do | do | do | 16261-A | Do. |
| Moore, W. L | do | do | do | 16249-A | Do. |
| Morton, W. D | do | do | do | 16255-A | Do. |
| Nance, T. W | do | do | do | 16257-A | Do. |
| Rodgers, D. C | do | do | do | 16260-A | Do. |
| Rodgers, John | do | do | do | 16258-A | Do. |
| Tribble, Kelly | do | do | do | 16264-A | Do. |
| Woodward, L. L | do | do | do | 16259-A | Do. |
| Wyatt, Edward | do | do | do | 16256-A | Do. |
| Williamson, H. C | Henderson | Union | Hercules Mng. Co | 17264-A | May, 1916. |
| Blue, D. M | Morganfield | do | do | 17273-A | Do. |
| Brown, Philip | do | do | Lloyd Mng. Co | 17278-A | Do. |
| Boyd, James | do | do | Hercules Mng. Co | 17267-A | Do. |
| Carr, G. O., jr | do | do | do | 17260-A | Do. |
| Cartwright, B. E | do | do | do | 17271-A | Do. |
| Cartwright, B. M | do | do | do | 17263-A | Do. |
| Cartwright, V. E | do | do | do | 17268-A | Do. |
| Cartwright, F. M | do | do | Lloyd Mng. Co | 17277-A | Do. |
| Davis, Nash | do | do | Hercules Mng. Co | 17269-A | Do. |
| Davis, R. E. L | do | do | do | 17272-A | Do. |
| Hicks, Joseph | do | do | do | 17265-A | Do. |
| Hicks, William | do | do | do | 17261-A | Do. |
| Jones, Lee | do | do | Lloyd Mng. Co | 17276-A | Do. |
| Lloyd, Henry | do | do | Lloyd Coal Co | 17275-A | Do. |
| McClure, David | do | do | Hercules Mng. Co | 17270-A | Do. |
| Spaulding, Dennis | do | do | do | 17274-A | Do. |
| Sutton, Christopher | do | do | do | 17266-A | Do. |
| Taylor, R. B | do | do | do | 17262-A | Do. |
| Aldridge, J. T | Providence | Webster | Harland Mng. Co | 17019-A | Do. |
| Awllen, C. E | do | do | Leeper Coal Co | 17018-A | Do. |
| Braden, Owen | do | do | do | 17016-A | Do. |
| Cates, W. C | do | do | Providence Mng. Co | 17012-A | Do. |
| Fox, William | do | do | Harland Mng. Co | 17020-A | Do. |
| Givens, J. L | do | do | Ruckman Coal Co | 17010-A | Do. |
| Graham, C. T | do | do | Leeper Coal Co | 17017-A | Do. |
| Hearin, J. T | do | do | Providence Mng. Co | 17014-A | Do. |
| Leeper, Jas. H | do | do | Leeper Coal Co | 17015-A | Do. |
| Martin, Claude | do | do | Ruckman Coal Co | 17011-A | Do. |
| Robinson, R. S | do | do | do | 17009-A | Do. |
| Woodson, J. J., jr | do | do | Providence Mng. Co | 17013-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Boyd, David | Bay City | Bay | Consolidated Coal Co. | 11833-A | September, 1915. |
| Cook, Thomas | do | do | Robert Gage Coal Co. | 11834-A | Do. |
| Heath, Frank | do | do | do | 11835-A | Do. |
| Larive, W. H. | do | do | Consolidated Coal Co. | 11837-A | Do. |
| McIllaney, Alexander. | do | do | do | 11838-A | Do. |
| Morgan, L. A. | do | do | Robert Gage Coal Co. | 11836-A | Do. |
| Parker, Thomas | do | do | Consolidated Coal Co. | 11839-A | Do. |
| Paterson, M. | do | do | Robert Gage Coal Co. | 11832-A | Do. |
| Galler, Frank | Bessemer | Gogebic | Colby Iron & Mng. Co. | 17204-A | May, 1916. |
| Johnson, Jacob | do | do | do | 17209-A | Do. |
| Koskey, Albin | do | do | do | 17202-A | Do. |
| Marshlek, Joseph | do | do | do | 17201-A | Do. |
| Miglio, Peter | do | do | do | 17207-A | Do. |
| Moucher, Joseph | do | do | do | 17203-A | Do. |
| Nemet, John | do | do | do | 17208-A | Do. |
| Pascoe, W. C. | do | do | do | 17200-A | Do. |
| Pender, Burnett | do | do | do | 17198-A | Do. |
| Pozegs, Paul | do | do | do | 17199-A | Do. |
| Rider, Peter | do | do | do | 17206-A | Do. |
| Rigno, Emil | do | do | do | 17205-A | Do. |
| Abeel, J. H. | Ironwood | do | Mining engineer | 11745-A | June, 1915. |
| East, John H. | do | do | Bureau of Mines | 7422-A | September, 1914. |
| Eplett, Henery | do | do | Newport Mining Co. | 7287-A | August, 1914. |
| Hoskin, James | do | do | do | 7280-A | Do. |
| Mildren, John | do | do | do | 7283-A | Do. |
| Patruscak, Tony | do | do | do | 7279-A | Do. |
| Richards, Harold | do | do | do | 7284-A | Do. |
| Shove, Byron D. | do | do | do | 7281-A | Do. |
| Westergreen, Arthur | do | do | do | 7282-A | Do. |
| Romano, Frank | do | do | Mining engineer | 11367-A | June, 1915. |
| Baker, Albert M. | Ramsay | do | Castile Mng. Co. | 17081 | May, 1916. |
| Beissel, Walter | do | do | do | 17025-A | Do. |
| Bussis, Peter | do | do | do | 17026-A | Do. |
| Coleman, Axel | do | do | do | 17022-A | Do. |
| Fritz, Dominick | do | do | do | 17024-A | Do. |
| Harris, John | do | do | do | 17021-A | Do. |
| Johnson, C. J. | do | do | do | 17083 | Do. |
| Phillips, Elijah | do | do | do | 17028-A | Do. |
| Wills, William | do | do | do | 17027-A | Do. |
| Zucca, Frank | do | do | do | 17023-A | Do. |
| Gilbert, J. G. | Wakefield | do | do | 17042-A | Do. |
| Gilbert, William | do | do | do | 17043-A | Do. |
| Kent, R. G. | do | do | do | 17037-A | Do. |
| Lathi, Samuel | do | do | Sunday Lake Mng. Co. | 17041-A | Do. |
| Malkamaki, John | do | do | do | 17044-A | Do. |
| Polo, Andrew | do | do | do | 17045-A | Do. |
| Ranta, Victor | do | do | Castile Mng. Co. | 17036-A | Do. |
| Saari, John | do | do | Sunday Lake Mng. Co. | 17040-A | Do. |
| Tuoro, John | do | do | Castile Mng. Co. | 17038-A | Do. |
| Wüta, John | do | do | Sunday Lake Mng. Co. | 17046-A | Do. |
| Coombs, John | Baltic | Houghton | Copper Range Consol. Mng. Co. | 11254 | June, 1915. |
| Coombs, W. H. | do | do | do | 11252 | Do. |
| Pooley, Sydney | do | do | do | 11253 | Do. |
| Tretheway, O. | do | do | do | 11255 | Do. |
| Bylkas, Axel | Calumet | do | Calumet & Hecla Mng. Co. | 11544 | Do. |
| Cadwell, Henry | do | do | do | 8006-A | December, 1914. |
| Clark, W. N. | do | do | do | 8010-A | Do. |
| Edwards, J. G. | do | do | do | 11462-A | June, 1915. |
| Fisher, J. T. | do | do | do | 11464-A | Do. |
| Haun, Fred | do | do | do | 8009-A | December, 1914. |
| Johnson, Henry | do | do | do | 8004-A | Do. |
| King, Henry | do | do | do | 8005-A | Do. |
| Kumpula, Ansel | do | do | do | 8000-A | Do. |
| Lackner, Steven | do | do | do | 8011-A | Do. |
| Lamberg, Charles | do | do | do | 8007-A | Do. |
| Letcher, S. R. | do | do | do | 11535 | June, 1915. |
| Limbach, Joseph | do | do | do | 8008-A | December, 1914. |
| Loveland, R. A. | do | do | do | 11465-A | June, 1915. |
| Martin, James | do | do | do | 11536 | Do. |
| Marzene, John | do | do | do | 8001-A | December, 1914. |
| McKinstry, Louis | do | do | do | 8003-A | Do. |
| Nelson, W. A. | do | do | do | 11537 | June, 1915. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Sedlar, Henry | Calumet | Houghton | Calumet & Hecla Mng. Co. | 8002-A | December, 1914. |
| Skinner, Sidney | do | do | do | 11463-A | June, 1915. |
| Trezona, John | do | do | do | 11468-A | Do. |
| Vercelleno, V | do | do | do | 8012 | December, 1914. |
| Viau, J. A | do | do | do | 11467-A | June, 1915. |
| Williams, R. H | do | do | do | 11466-A | Do. |
| White, H. L | do | do | do | 11461-A | Do. |
| Yelland, John | do | do | do | 11534 | Do. |
| McCarthy, P. G | Franklin | do | Quincy Mng. Co | 11532 | Do. |
| Anderson, M. L | Hancock | do | do | 7930 | October, 1914. |
| Do | do | do | do | 7930-A | May, 1915. |
| Bailey, A. C | do | do | do | 11369-A | June, 1915. |
| Esterbrook, William | do | do | do | 7929 | October, 1914. |
| Folley, A. S | do | do | do | 11528 | June, 1915. |
| Giles, J. N | do | do | do | 11529 | Do. |
| Gregor, George | do | do | do | 7796-A | October, 1914. |
| Hoar, Daniel | do | do | do | 7795-A | Do. |
| Locatelli, Andrew | do | do | do | 7927 | Do. |
| McDonald, A. J | do | do | Calumet & Hecla Mng. Co. | 11460-A | June, 1915. |
| O'Connell, Samuel | do | do | Quincy Mng. Co | 7928 | October, 1914. |
| Sampson, W. J | do | do | do | 11371-A | June, 1915. |
| Schilling, E. H | do | do | do | 11533 | Do. |
| Schlegelmen, Peter | do | do | do | 11531 | Do. |
| Schuyler, V. R | do | do | do | 11370-A | Do. |
| Webber, Richard | do | do | do | 11530 | Do. |
| Yelland, Wilson | do | do | do | 11368-A | Do. |
| Apell, Gideon | Houghton | do | Michigan College of Mines. | 11744-A | Do. |
| Bell, J. H | do | do | do | 11740-A | Do. |
| Emerson, J. G | do | do | do | 11737-A | Do. |
| King, R. B | do | do | do | 11738-A | Do. |
| McCray, H. E | do | do | do | 11742-A | Do. |
| Schwader, E. B | do | do | do | 11739-A | Do. |
| Allen, Archie | Kearsarge | do | Osceola Consolidated Mng. Co. | 11539 | Do. |
| Paull, Sidney | do | do | Wolverine Mng. Co | 11289-A | Do. |
| Pietila, Peter | do | do | North Kearsage mine | 11541 | Do. |
| Rogers, S. W | do | do | Wolverine Mng. Co | 11287-A | Do. |
| Sleep, Simon | do | do | do | 11288-A | Do. |
| Badge, Richard | Painesdale | do | Copper Range Consol. Mng. Co. | 11295-A | Do. |
| Dunstan, Sidney | do | do | do | 11294-A | Do. |
| Gullstrand, August | do | do | do | 11296-A | Do. |
| Jose, Fred | do | do | do | 11300-A | Do. |
| Lutey, R. J | do | do | do | 11303-A | Do. |
| Perry, W. L | do | do | do | 11302-A | Do. |
| Shaw, G. A | do | do | do | 11297-A | Do. |
| Tremayne, Henry | do | do | do | 11293-A | Do. |
| Vincent, Philip | do | do | do | 11301-A | Do. |
| Carlyon, Richard | Trimountain | do | do | 11304-A | Do. |
| Cruse, W. H | do | do | do | 11299-A | Do. |
| Mellow, Kyrle | do | do | do | 11298-A | Do. |
| Pascoe, W. J | do | do | do | 11305-A | Do. |
| Hoskin, John | Ahmeek | Keweenaw | Ahmeek Mng. Co | 11485-A | Do. |
| Moriarity, Patrick | do | do | do | 11543 | Do. |
| Williams, Albert | do | do | do | 11540 | Do. |
| Trevillian, Alfred | Allouez | do | Allouez Mng. Co | 11390-A | Do. |
| Warn, John | do | do | do | 11542 | Do. |
| Bryant, Samuel, jr | Mohawk | do | Mohawk Mng. Co | 11291-A | Do. |
| Jewell, John | do | do | do | 11292-A | Do. |
| Phillips, W. J | do | do | do | 11290-A | Do. |
| David, Joseph | Muskegon | Muskegon | Michigan College of Mines. | 11743-A | Do. |
| Bradley, Philip | Saginaw | Saginaw | Bliss Coal Co | 11862-A | September, 1915. |
| Evans, James | do | do | do | 11863-A | Do. |
| Griffiths, Thomas | do | do | Consolidated Coal Co | 11865-A | Do. |
| Hatton, John | do | do | Bliss Coal Co | 11860-A | Do. |
| Hollies, Timothy | do | do | Consolidated Coal Co | 11866-A | Do. |
| Liddle, William | do | do | do | 11867-A | Do. |
| Pettis, William | do | do | Bliss Coal Co | 11859-A | Do. |
| Phillips, Henry | do | do | do | 11861-A | Do. |

MICHIGAN—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Westwood, Thomas | Saginaw | Saginaw | Consolidated Coal Co. | 11864-A | September, 1915. |
| Williams, W. F. | do. | do. | do. | 11840-A | Do. |
| Chivers, G. W. | St. Charles | do. | Robert Gage Coal Co. | 11852-A | Do. |
| Dupree, Benjamin | do. | do. | do. | 11854-A | Do. |
| Evans, W. E. | do. | do. | do. | 11856-A | Do. |
| Harris, W. J. | do. | do. | do. | 11853-A | Do. |
| Kanary, Thomas | do. | do. | State mine inspector | 11855-A | Do. |
| Mason, J. H. | do. | do. | Robert Gage Coal Co. | 11857-A | Do. |
| McKenna, H. P. | do. | do. | do. | 11858-A | Do. |

MINNESOTA.

| | | | | | |
|---|---|---|---|---|---|
| Anderson, Gust | Cuyuna | Crow Wing | Roger-Brown Ore Co. | 12640-A | October, 1915. |
| Lind, Gust | do. | do. | do. | 12637-A | Do. |
| Ruikka, John | do. | do. | do. | 12639-A | Do. |
| Varbin, Michael | do. | do. | do. | 12638-A | Do. |
| Beecroft, John | Keewatin | Itasca | Keewatin Mng. Co. | 17616-A | May, 1916. |
| Fochtman, E. F. | do. | do. | Corrigan - McKinney Co. | 17615-A | Do. |
| Gallino, Frank | do. | do. | Keewatin Mng. Co. | 18021-A | June, 1916. |
| Graham, Joseph | do. | do. | do. | 18023-A | Do. |
| Martin, H. E. | do. | do. | Oliver Iron Mng. Co. | 7187-A | August, 1914. |
| Milan, John | do. | do. | Keewatin Mng. Co. | 18025-A | June, 1916. |
| Newman, A. J. | do. | do. | do. | 18022-A | Do. |
| Prouse, Albert | do. | do. | do. | 7186-A | August, 1914. |
| Ranta, Matthew | do. | do. | do. | 7180-A | Do. |
| Randa, Matthew | do. | do. | do. | 18027-A | June, 1916. |
| Shea, N. J. | do. | do. | do. | 18020-A | Do. |
| Sincock, Herbert | do. | do. | do. | 18019-A | Do. |
| Skoglund, Oscar | do. | do. | do. | 7184-A | August, 1914. |
| Stampe, J. A. | do. | do. | do. | 7185-A | Do. |
| Stanton, T. H. | do. | do. | do. | 18026-A | June, 1916. |
| Bianchini, Vincent | Nashwauk | do. | Policeman | 18063-A | June, 1916. |
| Columbo, Andrew | do. | do. | Wisconsin Steel Co. | 18064-A | Do. |
| Dahl, Sam | do. | do. | do. | 18059-A | Do. |
| Johnson, Engre | do. | do. | Cleveland Cliffs Iron Co. | 18070 | Do. |
| Kuntz, Gottlieb | do. | do. | Wisconsin Steel Co. | 18062-A | Do. |
| Laffitte, Herbert | do. | do. | do. | 18058-A | Do. |
| Mahon, S. H. | do. | do. | La Rue Mining Co. | 18060-A | Do. |
| Turpinem, Albert | do. | do. | do. | 18061-A | Do. |
| Spink, Bernard | St. Paul | Ramsey | Student | 8013-A | December, 1914. |
| McCullough, Edwin | Minneapolis | Hennepin | University of Minnesota. | 7420-A | September, 1914. |
| Andrews, W. J. | Aurora | Saint Louis | Pickands, Mather & Co. | 13186-A | November, 1915. |
| Steinbach, Charles | do. | do. | do. | 13190-A | Do. |
| Sarich, J. F. | Biwabik | do. | do. | 13184-A | Do. |
| Vincent, H. J. | do. | do. | do. | 13188-A | Do. |
| Cappaloni, Nicholas | Brooklyn | do. | Oliver Iron Mng. Co. | 17238-A | May, 1916. |
| Silvestrini, F. | do. | do. | do. | 17642-A | Do. |
| Hodgen, James | Buhl | do. | Shenango Furnace Co. | 7205-A | August, 1914. |
| Veale, William | do. | do. | do. | 7206-A | Do. |
| Baich, Tony | Chisholm | do. | Oliver Iron Mng. Co. | 7203-A | Do. |
| Borgeson, A. C. | do. | do. | Shenango Furnace Co. | 7204-A | Do. |
| Bovitz, John | do. | do. | Oliver Iron Mng. Co. | 14073 | December. 1915. |
| Brown, W. B. | do. | do. | do. | 7201-A | August, 1914. |
| Kochever, John | do. | do. | do. | 7202-A | Do. |
| Latkovich, George | do. | do. | do. | 7208-A | Do. |
| Moreen, Marko | do. | do. | do. | 14071 | December, 1915. |
| Naknnen, Andrew | do. | do. | do. | 14069 | Do. |
| Olson, John | do. | do. | do. | 7200-A | August, 1914. |
| Suhona, William | do. | do. | do. | 7207-A | Do. |
| St. Lawrence, U. J. | do. | do. | do. | 14070 | December, 1915. |
| Stonmark, G. G. | do. | do. | do. | 14068 | Do. |
| Verant, Joseph | do. | do. | do. | 14072 | Do. |
| Walimaa, Matthew | do. | do. | do. | 14074 | Do. |
| Botc, Lawrence | Eveleth | do. | do. | 12932 | October, 1915. |
| Capan, George | do. | do. | do. | 12933 | Do. |
| Furlotte, Charles | do. | do. | do. | 12928 | Do. |
| Mitchell, H. E. | do. | do. | do. | 12930 | Do. |
| Matsonich, Larry | do. | do. | do. | 12934-A | Do. |

MINNESOTA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Mohivirta, Victor | Eveleth | Saint Louis | Oliver Iron Mng. Co | 12926 | October, 1915. |
| Okorn, Joseph | do | do | do | 12931 | Do. |
| Seviek, Frank | do | do | do | 12927 | Do. |
| Varhovnik, John | do | do | do | 12929 | Do. |
| Binney, James | Gilbert | do | Pickands, Mather & Co. | 12961 | Do. |
| Nicholas, Elias | do | do | do | 12957 | Do. |
| Nicholas, Ernest | do | do | do | 12960 | Do. |
| Pollard, Samuel | do | do | do | 12958 | Do. |
| Anderson, Andrew | Hibbing | do | do | 14398-A | January, 1916. |
| Barker, R. A | do | do | do | 7194-A | August, 1914. |
| Barnes, Harry | do | do | Oliver Iron Mng. Co | 17645-A | May, 1916. |
| Blazina, James | do | do | Pickands, Mather & Co. | 7197-A | August, 1914. |
| Boksih, John | do | do | do | 7198-A | Do. |
| Brown, W. C | do | do | Oliver Iron Mng. Co | 6910-A | January, 1916. |
| Caine, W. E | do | do | do | 7188-A | August, 1914. |
| Carter, W. P | do | do | Pickands, Mather & Co. | 7199-A | Do. |
| Colton, F. R | do | do | Oliver Iron Mng. Co | 6949-A | January, 1916. |
| Davey, Chester | do | do | do | 17255-A | May, 1916. |
| Davenport, L. D | do | do | do | 6982-A | January, 1916. |
| Gardner, Charles | do | do | Pickands, Mather & Co. | 14397-A | Do. |
| Garrity, E. H | do | do | do | 14402-A | Do. |
| Hewitt, Elmer | do | do | Oliver Iron Mng. Co | 17643-A | May, 1916. |
| Hukka, Michael | do | do | do | 17236-A | Do. |
| Jahn, G. A | do | do | Rodgers-Brown Iron Co. | 17605-A | Do. |
| Kallio, Abel | do | do | Oliver Iron Mng. Co | 7189-A | August, 1914. |
| Kaiser, W. J | do | do | do | 7182-A | Do. |
| Kreitzer, Frank | do | do | Rodgers-Brown Iron Co. | 17232-A | May, 1916. |
| Lucto, John | do | do | Oliver Iron Mng. Co | 17644-A | Do. |
| Mainich, Joseph | do | do | Pickands, Mather & Co. | 7196-A | August, 1914. |
| Martin, H. E | do | do | Oliver Iron Mng. Co | 6981-A | January, 1916. |
| McWhirter, J. F | do | do | Shenango Furnace Co. | 7193-A | August, 1914. |
| Munter, Alexander | do | do | Oliver Iron Mng. Co | 17237-A | May, 1916. |
| Pierce, J. J | do | do | Pickands, Mather & Co. | 7195-A | August, 1914. |
| Provost, E. H | do | do | Oliver Iron Mng. Co | 17604-A | May, 1916. |
| Oats, W. J | do | do | Shenango Furnace Co. | 7181-A | August, 1914. |
| Oswald, Anton | do | do | do | 7183-A | Do. |
| Richards, William | do | do | Oliver Iron Mng. Co | 14399-A | January, 1916. |
| Sampson, Thomas | do | do | do | 6907-A | Do. |
| Smith, H. B | do | do | do | 7191-A | August, 1914. |
| Starcevic, William | do | do | Pickands, Mather & Co. | 14401-A | January, 1916. |
| Swanson, I. O. N | do | do | Oliver Iron Mng. Co | 7190-A | August, 1914. |
| Taylor, Bernard | do | do | do | 14400-A | January, 1916. |
| Taylor, Bernard | do | do | do | 17606-A | May, 1916. |
| Wazynski, John | do | do | Rodgers-Brown Iron Mining Co. | 17233-A | Do. |
| Weekly, Thomas | do | do | Oliver Iron Mng. Co | 7192-A | August, 1914. |
| Cash, F. H., jr | Kinney | do | Republic Iron & Steel Co. | 13371-A | November, 1915. |
| Hammond, H. L | do | do | do | 13373-A | Do. |
| Hansen, A. C | do | do | do | 13372-A | Do. |
| Melansnich, Joseph | do | do | Oliver Iron Mng. Co | 13396 | Do. |
| Orlich, Peter | do | do | do | 13397 | Do. |
| Shuster, Martin | McKinley | do | Pickands, Mather & Co. | 12959 | October, 1915. |
| Werta, William | Northland | do | Oliver Iron Mng. Co | 17234-A | May, 1916. |
| Amato, Frank | Pineville | do | Pickands, Mather & Co. | 13185-A | November, 1915. |
| Close, Anthony | do | do | do | 13187-A | Do. |
| Hautala, Samuel | do | do | do | 13183-A | Do. |
| Lats, Rady | do | do | do | 13191-A | Do. |
| Stewart, J. A | do | do | do | 13189-A | Do. |
| Eiler, William | Proctor | do | Student | 8015-A | January, 1914. |
| Crosley, Guy | Stevenson | do | Corrigan-McKinney Co | 17614-A | May, 1916. |
| Fazio, Tony | do | do | do | 17613-A | Do. |
| Folsom, R. A | do | do | do | 17607-A | Do. |
| Holman, Anton | do | do | do | 17610-A | Do. |
| Johnson, Nicholas | do | do | do | 17612-A | Do. |
| Kallio, John | do | do | Stevenson Mng. Co | 18028-A | June, 1916. |
| Kevilla, Charles | do | do | Mace Iron Mng. Co | 18024-A | Do. |
| Koski, John | do | do | do | 17617-A | May, 1916. |
| Larson, Charles | do | do | Corrigan-McKinney Co | 17618-A | Do. |
| Quine, William | do | do | do | 17609-A | Do. |
| Vivian, John | do | do | do | 17608-A | Do. |
| Zora, Emil | do | do | do | 17611-A | Do. |

MINNESOTA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Babich, John | Virginia | Saint Louis | Oliver Iron Mng. Co | 13750 | November, 1915. |
| Dellgo, Emil | do | do | Interstate Iron Mng. Co | 13757 | Do. |
| Edwin, John | do | do | Oliver Iron Mng. Co | 13756 | Do. |
| Fraboni, Pasquale | do | do | Interstate Iron Mng. Co | 13763-A | Do. |
| Gilbert, Howard | do | do | Oliver Iron Mng. Co | 13761-A | Do. |
| Gilbert, R. J | do | do | Interstate Iron Mng. Co | 13762-A | Do. |
| Gustavoson, G. E | do | do | Republic Iron & Steel Co. | 13751 | Do. |
| Haanbaa, Isaac | do | do | do | 13764-A | Do. |
| Houska, Charles | do | do | Oliver Iron Mng. Co | 13752 | Do. |
| Johnson, J. A | do | do | Interstate Iron Mng. Co | 13766-A | Do. |
| Pyykkonen, J. E | do | do | Oliver Iron Mng. Co | 13755 | Do. |
| Ricci, Anacleto | do | do | Republic Iron & Steel Co. | 13753 | Do. |
| Valeri, Vincenzo | do | do | Interstate Iron Mng. Co | 13765 | Do. |

MISSOURI.

| | | | | | |
|---|---|---|---|---|---|
| Adams, W. W | Cainesville | Harrison | Grand River Coal & Coke Co. | 7363-A | August, 1914. |
| Brown, Melvin | do | do | do | 7366-A | Do. |
| Capps, Bert | do | do | do | 7364-A | Do. |
| Cotton, James | do | do | do | 7362-A | Do. |
| Cox, Bert | do | do | do | 7367-A | Do. |
| Huffman, Charles | do | do | do | 7359-A | Do. |
| Pearcy, C. E | do | do | do | 7365-A | Do. |
| Skinner, E | do | do | do | 7361-A | Do. |
| Tattersall, J. D | do | do | do | 7360-A | Do. |
| Wichon, Frank | do | do | do | 7368-A | Do. |
| Burch, I. L | Joplin | Jasper | State mine inspector | 7520-A | September, 1914. |
| Buckridge, J. H | Webb City | Jasper | Student | 7842-A | October, 1914. |
| Goad, C. C | do | do | Ice Plant Mng. Co | 7522-A | September, 1914 |
| Ries, F. H | do | do | do | 7521-A | Do. |
| Stevison, E. C | do | do | Rehaner Mining Co | 7840-A | October, 1914. |
| Stevison, E. G | do | do | Merchant & Mining Bank. | 7841-A | Do. |
| Stevison, J. L | do | do | Andy McIntuiff & Co. | 7839-A | Do. |
| Cook, O. D | Waverly | Lafayette | Waverly Brick & Coal Co. | 7970-A | November, 1914. |
| Dean, V. S | do | do | do | 7972-A | Do. |
| Dermaster, H. L | do | do | do | 7973-A | Do. |
| Short, H | do | do | do | 7971-A | Do. |
| Sowers, R. A | do | do | do | 7974-A | Do. |
| Jones, Ivyl | Bevier | Macon | Northwestern Coal & Mng. Co. | 7371-A | August, 1914. |
| Roberts, W. E | do | do | Central Coal & Coke Co. | 7369-A | Do. |
| Ruddy, John | do | do | Northwestern Coal & Mng. Co. | 7373-A | Do. |
| Williams, Alfred | do | do | Central Coal & Coke Co. | 7372-A | Do. |
| Williams, J. R | do | do | Northwestern Coal & Mng. Co. | 7370-A | Do. |

MONTANA.

| | | | | | |
|---|---|---|---|---|---|
| Doran, William | Red Lodge | Carbon | Northwest Improvement Co. | 7434-A | September, 1914. |
| Heidleston, W. E | do | do | do | 7438-A | Do. |
| Hudah, Michael | do | do | do | 7431-A | Do. |
| Laftus, Edward | do | do | do | 7442-A | Do. |
| Lindsay, John | do | do | do | 7433-A | Do. |
| McIntosh, William | do | do | do | 7435-A | Do. |
| McKeown, Patrick | do | do | do | 7441-A | Do. |
| McTate, J. R | do | do | do | 7426-A | Do. |
| Marich, John | do | do | do | 7428-A | Do. |
| Marth, J. H | do | do | do | 7430-A | Do. |
| Miles, C. W | do | do | do | 7436-A | Do. |
| Schaill, John | do | do | do | 7425-A | Do. |
| Snomi, Steven | do | do | do | 7429-A | Do. |
| Suggs, Andrew | do | do | do | 7440-A | Do. |
| Swanson, S. C | do | do | do | 7437-A | Do. |
| Turner, George | do | do | do | 7439-A | Do. |

MONTANA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Wiseman, W. A. | Red Lodge | Carbon | Northwest Improvement Co. | 7424-A | September, 1914. |
| Woodbury, Lena | do | do | do | 7432-A | Do. |
| Wuckovich, Lewis | do | do | do | 7427-A | Do. |
| Butler, J. R. | Butte | Silver Bow | Anaconda Copper Mining Co. | 12641-A | October, 1915. |
| Campbell, John | do | do | do | 12623 | Do. |
| Kelley, E. B. | do | do | do | 12624 | Do. |
| McKeown, T. J. | do | do | do | 12625 | Do. |
| Snell, D. J. | do | do | do | 12626 | Do. |

NEVADA.

| | | | | | |
|---|---|---|---|---|---|
| Cook, A. B. | Fairview | Churchill | Nevada Hills Mining Co. | 7502-A | Do. |
| Derownn, C. N. | do | do | do | 7499-A | Do. |
| Gannon, J. J. | do | do | do | 7500-A | Do. |
| Julian, W. E. | do | do | do | 7498-A | Do. |
| Williams, John | do | do | do | 7501-A | Do. |
| Partain, D. | Wonder | do | Nevada Wonder Mining Co. | 7503-A | Do. |
| Snideman, G. A. | do | do | do | 7507-A | Do. |
| Snideman, John | do | do | do | 7504-A | Do. |
| Tannehill, Otto | do | do | do | 7505-A | Do. |
| Taylor, E. J. | do | do | do | 7506-A | Do. |
| Addis, Alfred | Goldfield | Esmeralda | Goldfield Consolidated Mining Co. | 7468-A | Do. |
| Argue, William | do | do | do | 7467-A | Do. |
| Cowen, C. C. | do | do | do | 7471-A | Do. |
| Dropolic, George | do | do | do | 11939 | September, 1915. |
| Harrington, Daniel | do | do | do | 7465-A | September, 1914. |
| Kuhn, G. F. | do | do | do | 7469-A | Do. |
| Madden, William | do | do | do | 11940 | September, 1915. |
| Miller, F. G | do | do | do | 11941 | Do. |
| Mills, J. H | do | do | do | 7472-A | September, 1914. |
| Patnoe, T. F. | do | do | do | 11831-A | September, 1915. |
| Ringer, Ralph W | do | do | do | 7466-A | September, 1914. |
| Sands, J. | do | do | do | 11942 | September, 1915. |
| Skewes, Ernest | do | do | do | 7464-A | September, 1914. |
| Viles, Dennis | do | do | do | 7470-A | Do. |
| Walsh, E. C. | do | do | do | 7473-A | Do. |
| Barnett, G. I. | Round Mountain. | Nye | Round Mountain Mining Co. | 7515-A | Do. |
| Fish, C. L. | do | do | do | 7516-A | Do. |
| Stephenson, J. C | do | do | do | 7519-A | Do. |
| Thompson, Carl | do | do | do | 7518-A | Do. |
| Wonnack, W. J | do | do | do | 7517-A | Do. |
| Anderson, Gus | Tonopah | do | North West Extension Mng. Co. | 7492-A | Do. |
| Bateman, B. M. | do | do | West End Consol. Mng. Co. | 7480-A | Do. |
| Burkart, A. J. | do | do | Belmont-Tonopah Mng. Co. | 7482-A | Do. |
| Cole, Earnest | do | do | Jim Butler Mng. Co. | 7497-A | Do. |
| Cullinan, E. P. | do | do | Belmont-Tonopah Mng. Co. | 7486-A | Do. |
| Cushwa, C. C. | do | do | Montana Tonopah Mng. Co. | 7475-A | Do. |
| Duglass, C. R. | do | do | Belmont-Tonopah Mng. Co. | 7485-A | Do. |
| Glass, L. E. | do | do | do | 7484-A | Do. |
| Green, W. J | do | do | Tonopah Mng. Co. | 7488-A | Do. |
| Harrington, John | do | do | Montana Tonopah Mng. Co. | 7477-A | Do. |
| Hart, Thomas | do | do | Jim Butler Mng. Co. | 7496-A | Do. |
| Kenner, E. C. | do | do | West End Consol. Mng. Co. | 7481-A | Do. |
| McCallister, O. C | do | do | Tonopah Mng. Co. | 7487-A | Do. |
| McHugh, P. J. | do | do | North West Extension Mng. Co. | 7494-A | Do. |
| McLeod, D. M. | do | do | do | 7495-A | Do. |
| Marsh, H. E. | do | do | Montana Tonopah Mng. Co. | 7476-A | Do. |

NEVADA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Murphy, P. M. | Tonopah | Nye | North West Extension Mng. Co. | 7493-A | September, 1914. |
| Nolte, A. G. | do | do | Tonopah Mng. Co. | 7489-A | Do. |
| Prout, T. E. | do | do | Montana Tonopah Mng. Co. | 7474-A | Do. |
| Puncochar, L. F. | do | do | West End Extension Mng. Co. | 7769-A | October, 1915. |
| Richey, A. W. | do | do | West End Consol. Mng. Co. | 7478-A | September, 1914 |
| Spitzer, G. C. | do | do | Tonopah Mng. Co. | 7491-A | Do. |
| White, A. M. | do | do | West End Consol. Mng. Co. | 7479-A | Do. |
| Williamson, A. E. | do | do | Belmont-Tonopah Mng. Co. | 7483-A | Do. |
| Wood, W. S. | do | do | Tonopah Mng. Co. | 7490-A | Do. |
| Ryan, Edward | Carson City | Ormsby | State mine inspector | 7451-A | September, 1914. |
| Chegwidden, T. D. | Virginia City | Storey | Ophir Mng. Co. | 7456-A | Do. |
| Craze, Fred | do | do | Yellow Jacket Mng. Co. | 7461-A | Do. |
| Evans, Albert | do | do | Serra Nevada Mng. Co. | 7460-A | Do. |
| Fletcher, C. E. | do | do | United Comstock Pumping Assn. | 7454-A | Do. |
| Foote, Henry | do | do | Cons. Virginia Co. | 7457-A | Do. |
| Hayes, Frederick | do | do | Ophir Mng. Co. | 7463-A | Do. |
| Lamberton, Ernest | do | do | Comstock Pump. Assn | 7459-A | Do. |
| Midgley, J. R. | do | do | United Comstock Pumping Assn. | 7455-A | Do. |
| Muckle, T. H. | do | do | Serra Nevada Mng. Co. | 7458-A | Do. |
| Peterson, Ivan | do | do | do | 7462-A | Do. |
| Brochert, Earl | Reno | Washoe | University of Nevada | 7547-A | Do. |
| Dondero, F. W. | do | do | do | 7551-A | Do. |
| Healy, Bourke | do | do | do | 7556-A | Do. |
| Masters, Charles | do | do | do | 7552-A | Do. |
| Neeld, H. C. | do | do | do | 7550-A | Do. |
| Painter, W. | do | do | do | 7549-A | Do. |
| Palmer, W. S. | do | do | do | 7548-A | Do. |
| Parsons, W. B. | do | do | do | 7553-A | Do. |
| Roat, Lloyd | do | do | do | 7555-A | Do. |
| Stickney, W. H. | do | do | do | 7554-A | Do. |
| Dean, W. P. | East Ely | White Pine | Nevada Consolidated Copper Co. | 7452-A | Do. |
| O'Connell, A. J. | Ely | do | do | 7444-A | Do. |
| Weal, J. E. | do | do | do | 7453-A | Do. |
| Carten, H. R. | Kimberly | do | do | 7446-A | Do. |
| Friel, Patrick | do | do | do | 7450-A | Do |
| Metcalf, J. C. | do | do | do | 7448-A | Do. |
| Murphy, W. J. | do | do | do | 7449-A | Do. |
| Vetter, E. L. | do | do | do | 7447-A | Do. |
| Garrison, W. H. | Ruth | do | do | 7445-A | Do. |
| Nelson, William | do | do | do | 7443-A | Do. |

NEW MEXICO.

| | | | | | |
|---|---|---|---|---|---|
| Barnes, N. H. | Dawson | Colfax | Stag Canon Fuel Co. | 7277 | August, 1914. |
| Bracewell, Warren | do | do | do | 7251-A | Do. |
| Cunningham, A. | do | do | do | 7248-A | Do. |
| McCune, Robert | do | do | do | 7276 | Do. |
| McLachlan, J. K. | do | do | do | 7250-A | Do. |
| McQuire, Jacob | do | do | do | 7273 | Do. |
| Monk, L. L. | do | do | do | 7275 | Do. |
| Murrell, James | do | do | do | 7249-A | Do. |
| Ramelot, L. M. | do | do | do | 7278 | Do. |
| Wommer, C. J. | do | do | do | 7274 | Do. |
| Deegan, A. E. | Santa Rita | Grant | Chino Copper Co. | 7272 | Do. |
| Foster, L. E. | do | do | do | 7269 | Do. |
| Hardin, Z. C. | do | do | do | 7271 | Do. |
| Strand, R. A. | do | do | do | 7268 | Do. |
| Thorne, H. A. | do | do | do | 7267 | Do. |
| Thurker, Frank | do | do | do | 7270 | Do. |
| Stewart, H. C. | Gallup | McKinley | Carbon Coal & Coke Co. | 16008-A | March, 1916. |

NEW YORK.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Dart, R. S. | New York | New York | S. F. Hayward & Co. (salesman, 39 Park Place). | 7793-A | October, 1914. |

OHIO.

| | | | | | |
|---|---|---|---|---|---|
| Moore, J. C. | Hammondsville. | Jefferson | Michigan College of Mines. | 11746-A | October, 1914. |
| Cramer, C. F. | Toledo | Lucas | do | 11741-A | June, 1915. |

OKLAHOMA.

| | | | | | |
|---|---|---|---|---|---|
| Adams, T. G. | Coalgate | Coal | Missouri, Kansas & Texas Coal Co | 9154-A | February, 1915. |
| Battcher, William | do | do | Coalgate Coal Co | 9146-A | Do. |
| Brinkworsh, Frank | do | do | Folsom-Morris Coal Mng. Co | 7399-A | September, 1914. |
| Brown, William | do | do | Coalgate Coal Co | 9155-A | February, 1915. |
| Brown, Henry | do | do | do | 9140-A | Do. |
| Casey, S. W | do | do | do | 9138-A | Do. |
| Dunn, W. J | do | do | Assistant fire chief | 9139-A | Do. |
| Fryer, Ralph | do | do | Coalgate Coal Co | 9144-A | Do. |
| Grader, A. W | do | do | do | 9156-A | Do. |
| Graham, Alexander | do | do | do | 9151-A | Do. |
| Hall, John | do | do | do | 9143-A | Do. |
| Heath, Sidney | do | do | do | 9147-A | Do. |
| Ingram, Ira | do | do | Hazelton Coal Co | 9150-A | Do. |
| Jones, A. R | do | do | Coalgate Coal Co | 9148-A | Do. |
| Lawrence, J. E | do | do | do | 9153-A | Do. |
| Price, J. P | do | do | do | 9152-A | Do. |
| Ringels, Henry | do | do | do | 9145-A | Do. |
| Ronald, S. R | do | do | do | 9149-A | Do. |
| Shaw, Thomas | do | do | do | 9141-A | Do. |
| Skeels, Earl | do | do | do | 9137-A | Do. |
| Snedden, J. H | do | do | do | 9136-A | Do. |
| Tearron, Robert | do | do | Hazleton Coal Co | 9142-A | Do. |
| Ames, W. E | Lehigh | do | Folsom-Morris Coal Mng. Co. | 7378-A | August, 1914. |
| Brown, Ben | do | do | do | 7395-A | September, 1914. |
| Cameron, G. J | do | do | do | 7392-A | Do. |
| Cameron, J. S | do | do | do | 7379-A | August, 1914. |
| Clark, Marion | do | do | do | 7394-A | September, 1914. |
| Collier, Anton | do | do | do | 7391-A | Do. |
| Friar, James | do | do | do | 7386-A | Do. |
| Gold, Thomas | do | do | do | 7389-A | Do. |
| Hoye, Charles | do | do | do | 7384-A | Do. |
| Hughes, James | do | do | do | 7388-A | Do. |
| James, Fred | do | do | do | 7398-A | Do. |
| Knox, Ernest | do | do | do | 7402-A | Do. |
| Lamb, David | do | do | do | 7380-A | Do. |
| O'Brien, John | do | do | do | 7387-A | Do. |
| O'Brien, William | do | do | do | 7397-A | Do. |
| Ogilvie, Alexander | do | do | do | 7382-A | Do. |
| Ogilvie, William | do | do | do | 7381-A | Do. |
| Rankin, Thomas | do | do | do | 7393-A | Do. |
| Ross, E. F | do | do | do | 7400-A | Do. |
| Ross, Hubert | do | do | do | 7401-A | Do. |
| Sauter, J. W | do | do | do | 7383-A | Do. |
| Shoemake, W. M | do | do | do | 7385-A | Do. |
| Sparks, Marbrey | do | do | do | 7396-A | Do. |
| Strang, William | do | do | do | 7390-A | Do. |
| Fitzgerald, Jess | Gowen | Latimer | Rock Island Coal Mng. Co. | 8852-A | February, 1915. |
| Fitzgerald, Luther | do | do | do | 8851-A | Do. |
| Scott, W. W | do | do | do | 8850-A | Do. |
| Walker, William | do | do | do | 8853-A | Do. |
| Cambron, West | Lutie | do | Hailey Ola Coal Co | 8376-A | January, 1915. |
| Kyle, L. B | do | do | do | 8380-A | Do. |
| Morris, J. M | do | do | do | 8377-A | Do. |
| Robertson, E. C | do | do | do | 8384-A | Do. |
| Robertson, Tallie | do | do | do | 8375-A | Do. |
| Wade, L. W | do | do | do | 8385-A | Do. |

OKLAHOMA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Adkins, Richard | Wilburton | Latimer | Degnand - McConnel Coal Co. | 8104-A | January, 1915. |
| Bethel, James | do | do | do | 8105-A | Do. |
| Greenwall, Ben | do | do | do | 8111-A | Do. |
| Lazor, George | do | do | do | 8102-A | Do. |
| Prantil, Carl | do | do | do | 8112-A | Do. |
| Scott, Henry | do | do | do | 8106-A | Do. |
| Slaughter, Major | do | do | do | 8108-A | Do. |
| Vetalia, Louis | do | do | do | 8110-A | Do. |
| Wade, W. T | do | do | do | 8103-A | Do. |
| Weatherspoon, C | do | do | do | 8109-A | Do. |
| Williams, Robert | do | do | do | 8107-A | Do. |
| Blackstock, Charles | Bokoshe | Le Flore | Oliver Coal Co | 7966-A | November, 1914. |
| Broking, Oliver | do | do | Grayson Bros. Coal Co. | 7967-A | Do. |
| Evans, David | do | do | Home Smokeless Coal Co. | 7969-A | Do. |
| Galloway, W. L | do | do | Oliver Coal Co | 7960-A | Do. |
| Hendricks, Wood | do | do | Bokoshe Smokeless Coal Co. | 7962-A | Do. |
| Joyce, Patrick | do | do | Oliver Coal Co | 7964-A | Do. |
| Petshauer, Benj | do | do | Home Smokeless Coal Co. | 7963-A | Do. |
| Renfro, E. C | do | do | Oliver Coal Co | 7965-A | Do. |
| Townzen, J. F | do | do | do | 7968-A | Do. |
| Wylie, W. L | do | do | Rush Coal Co | 7961-A | Do. |
| Biddie, James | Howe | do | Degnend-McConnel Coal & Coke Co. | 8097-A | January, 1915. |
| Caldera, Frederick | do | do | do | 8095-A | Do. |
| Dawes, S. O | do | do | do | 8096-A | Do. |
| Deaton, John | do | do | do | 8093-A | Do. |
| Roberts, Oswell | do | do | do | 8092-A | Do. |
| Smith, Henry | do | do | do | 8098-A | Do. |
| Vanmeter, Lewis | do | do | do | 8091-A | Do. |
| Walters, Thomas | do | do | do | 8094-A | Do. |
| Bennings, Ray | Poteau | do | Poteau Coal & Mercantile Co. | 7888-A | October, 1914. |
| Nichols, Edward | do | do | do | 7885-A | Do. |
| Orr, William | do | do | do | 7887-A | Do. |
| Alexander, Prince | Sutter | do | Central Coal & Coke Co. | 7876-A | Do. |
| Bolden, J. W | do | do | do | 7873-A | Do. |
| Brown, William | do | do | do | 7869-A | Do. |
| Carter, Lee | do | do | do | 7867-A | Do. |
| Duncan, N. M | do | do | do | 7870-A | Do. |
| Furlong, John | do | do | do | 7865-A | Do. |
| Greenlee, Robert | do | do | do | 7875-A | Do. |
| Jackson, Luther | do | do | do | 7874-A | Do. |
| Jackson, Percy | do | do | do | 7877-A | Do. |
| Morris, T. W | do | do | do | 7872-A | Do. |
| Pinnell, Carl | do | do | do | 7871-A | Do. |
| Stout, Arthur | do | do | do | 7868-A | Do. |
| Todd, Lee | do | do | do | 7866-A | Do. |
| Boenning, William | Williams | do | Williams Coal Co | 7898-A | Do. |
| Brady, Lawrence | do | do | do | 7899-A | Do. |
| Carr, Walter | do | do | do | 7894-A | Do. |
| Chambers, Robert | do | do | do | 7897-A | Do. |
| Dunn, J. W | do | do | do | 7901-A | Do. |
| House, Harlan | do | do | do | 7895-A | Do. |
| Jones, Jacob | do | do | do | 7893-A | Do. |
| O'Brien, T. F | do | do | do | 7900-A | Do. |
| Rowe, O. L | do | do | do | 7896-A | Do. |
| Davidson, C. H | Witteville | do | Poteau Coal & Mercantile Co. | 7891-A | Do. |
| Finney, F. C | do | do | do | 7892-A | Do. |
| Grace, Alfred | do | do | do | 7886-A | Do. |
| McGuire, George | do | do | do | 7889-A | Do. |
| Nichols, H | do | do | do | 7884-A | Do. |
| Pieacenti, Leo | do | do | do | 7890-A | Do. |
| Sharp, Edward | do | do | do | 7883-A | Do. |
| Cawley, M. A | Coalton | Okmulgee | Oklahoma Consolidated Coal Co. | 13393-A | November, 1915 |
| Dobson, Thomas | do | do | do | 13391-A | Do. |
| Duffield, Earl | do | do | do | 13392-A | Do. |
| McClellan, G. L | do | do | do | 13390-A | Do. |

OKLAHOMA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Seddon, J. T. | Coalton | Okmulgee | Oklahoma Consolidated Coal Co. | 13388-A | November, 1915. |
| Wilson, G. F. | do | do | do | 13389-A | Do. |
| Adams, C. M. | Dewar | do | do | 13131-A | Do. |
| Bennett, William | do | do | do | 13139-A | Do. |
| Connor, J. T. | do | do | do | 13138-A | Do. |
| Connor, H. P. | do | do | do | 13137-A | Do. |
| Connor, Patrick | do | do | do | 13136-A | Do. |
| France, Frank | do | do | do | 13134-A | Do. |
| Ganner, Clifford | do | do | do | 13133-A | Do. |
| Hardy, Adie | do | do | do | 13140-A | Do. |
| McKay, Duncan | do | do | McKay Coal Co | 13132-A | Do. |
| Willemetz, Alexander. | od | do | King Coal Co | 13135-A | Do. |
| Day, C. R | Adamson | Pittsburg | Union Coal Co | 10050-A | April, 1915. |
| Fisher, C. H. | do | do | do | 10047-A | Do. |
| Gill, E. F. | do | do | do | 10048-A | Do. |
| Gill, J. L. | do | do | do | 10049-A | Do. |
| Hart, G. T. | do | do | do | 10045-A | Do. |
| Husted, C. | do | do | do | 10051-A | Do. |
| Robinson, O. O. | do | do | do | 10046-A | Do. |
| Sinclair, H. | do | do | do | 10043-A | Do. |
| Todd, F. A. | do | do | do | 10053-A | Do. |
| Todd, Walter | do | do | do | 10044-A | Do. |
| Townsend, J. C. | do | do | do | 10052-A | Do. |
| Baniewitch, Wm. | Alderson | do | Rock Island Coal Co. | 8563-A | January, 1915. |
| Fabry, Andrew | do | do | McAlester Coal Co | 8564-A | Do. |
| Irvine, Thomas | do | do | Rock Island Coal & Mng. Co. | 8854-A | February, 1915. |
| Johnson, David | do | do | Carbon Coal Co | 8856-A | Do. |
| Kirkpatrick, L. L. | do | do | Rock Island Coal & Mng. Co. | 8859-A | Do. |
| Malloy, John | do | do | Rock Island Coal Co. | 8562-A | January, 1915. |
| Mastako, Frank | do | do | Rock Island Coal & Mng. Co. | 8858 | February, 1915. |
| Nosack, Walter | do | do | do | 8857-A | Do. |
| Stevenson, Benj | do | do | do | 8855-A | Do. |
| Baker, Robert | Carbon | do | Carbon Coal Co | 9723-A | April, 1915. |
| Batson, Ernest | do | do | do | 9725-A | Do. |
| Day, L. D. | do | do | do | 9733-A | Do. |
| Dodd, W. M. | do | do | do | 9728-A | Do. |
| Harlan, W. H. | do | do | do | 9727-A | Do. |
| Hutchinson, Robert | do | do | do | 9729-A | Do. |
| Johns, W. L. | do | do | do | 9719-A | Do. |
| McBride, J. J. | do | do | do | 9756 | Do. |
| McCamey, R. M. | do | do | do | 9731-A | Do. |
| Monroe, Henry | do | do | do | 9732-A | Do. |
| Nooner, John | do | do | do | 9720-A | Do. |
| Nunley, S. J. | do | do | do | 9724-A | Do. |
| Paschall, George | do | do | do | 9726-A | Do. |
| Rollinson, S. B. | do | do | do | 9721-A | Do. |
| Ruschuis, Porter | do | do | do | 9730-A | Do. |
| Williams, Iver | do | do | do | 9722-A | Do. |
| Boweman, J. B. | Dow | do | Milby Dow Coal Mng. Co. | 8738-A | January, 1915. |
| Muir, Robert | do | do | do | 7410-A | September, 1914. |
| Patterson, A. H. | do | do | do | 8734-A | January, 1915. |
| Patterson, H. B. | do | do | do | 8740-A | Do. |
| Patterson, John | do | do | do | 8735-A | Do. |
| Rice, H. C. | do | do | do | 8736-A | Do. |
| Scherman, W. T. | do | do | do | 8739-A | Do. |
| Casagrano, A. | Haileyville | do | Hailey Ola Coal Co | 8131-A | Do. |
| Fleming, C. L. | do | do | do | 8133-A | Do. |
| Giacamo, Daniel | do | do | do | 8132-A | Do. |
| Marino, T. M. | do | do | do | 8130-A | Do. |
| Baldridge, R. I. | Hartshorne | do | Rock Island Coal Mng. Co. | 8129-A | Do. |
| Brown, J. S. | do | do | do | 8120-A | Do. |
| Cerve, John | do | do | do | 8846-A | February, 1915. |
| Gotthelf, H. M. | do | do | do | 8115-A | January, 1915. |
| Hubbard, F. F. | do | do | do | 8121-A | Do. |
| Krowallis, Paul | do | do | do | 8844-A | February, 1915. |
| Machunis, Joseph | do | do | do | 8122-A | January, 1915. |
| Madalena, A. S. | do | do | do | 8125-A | Do. |

OKLAHOMA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Mullen, P. S. | Hartshorne | Pittsburg | Rock Island Coal Mng. Co. | 8126-A | February, 1915. |
| Norkus, William | do | do | do | 8847-A | January, 1915. |
| Onesky, Andrew | do | do | do | 8114-A | Do. |
| Rigazzi, Daniel | do | do | do | 8123-A | Do. |
| Richards, T. J. | do | do | do | 8118-A | Do. |
| Richards, W. J. | do | do | do | 8116-A | February, 1915. |
| Sallis, Anton | do | do | do | 8845-A | Do. |
| Sarrahi, Ralph | do | do | do | 8843-A | Do. |
| Savage, William | do | do | do | 8841-A | Do. |
| Schmiding, H. A. | do | do | do | 8117-A | January, 1915. |
| Smith, R. | do | do | do | 8127-A | Do. |
| Thomas, A. B. | do | do | do | 8119-A | Do. |
| Vendetti, Loreto | do | do | do | 8842-A | February, 1915. |
| Whiteside, R. | do | do | do | 8128-A | January, 1915. |
| White, W. E. | do | do | do | 8124-A | Do. |
| Bosley, A. C. | Krebs | do | Osage Coal Co. | 10002-A | April, 1915. |
| Flynn, E. W. | do | do | Advertising business | 10095-A | Do. |
| Frnell, R. F. | do | do | Rock Island Coal Mng. Co. | 11401-A | June, 1915. |
| Gough, James | do | do | Halstead Coal Co. | 11399-A | Do. |
| Hokey, F. E. | do | do | Osage Coal Co. | 11397-A | Do. |
| Homer, Charles | do | do | Coal operator | 11398-A | Do. |
| Holstead, L. F. | do | do | Osage Coal Co. | 10003-A | April, 1915. |
| Holstead, John | do | do | do | 10008-A | Do. |
| Hynal, John | do | do | do | 10010-A | Do. |
| Hynal, Steven | do | do | do | 11394-A | June, 1915. |
| Jeocomo, Joseph | do | do | do | 11395-A | Do. |
| Jones, D. J. | do | do | McAlester Coal & Coke Co. | 10012-A | April, 1915. |
| Jungo, F. R. | do | do | Rock Island Coal Co. | 10006-A | Do. |
| Lorence, F. E. | do | do | Rice & Co. | 10004-A | Do. |
| McCann, John | do | do | McAlester Coal & Coke Co. | 11508 | June, 1915. |
| McCann, John | do | do | Osage Coal Co. | 10009-A | April, 1915. |
| Maione, Pasquale | do | do | do | 11393-A | June, 1915. |
| Nixon, J. A. | do | do | do | 10014-A | April, 1915. |
| Ritchel, J. B. | do | do | do | 11396-A | June, 1915. |
| Ralston, Edward | do | do | Rock Island Coal Co. | 10007-A | April, 1915. |
| Sherwood, Wilson | do | do | Osage Coal Co. | 10011-A | Do. |
| Terry, Dudley | do | do | Rock Island Coal Mng. Co. | 11509-A | June, 1915. |
| Thompson, L. T. | do | do | do | 11400-A | Do. |
| Williams, W. T. | do | do | State mine inspector | 10013-A | April, 1915. |
| Durman, Frederick | North McAlester. | do | Samples Coal & Mng. Co. | 16985-A | May, 1916. |
| Loonie, Frank | do | do | do | 16979-A | Do. |
| Cook, William | McAlester | do | do | 16983-A | Do. |
| Grafe, Emile | do | do | do | 16981-A | Do. |
| Hanraty, C. B. | do | do | Henryetta Coal Co. | 10155-A | May, 1915. |
| Hood, Elbert | do | do | Samples Coal & Mng. Co. | 16982-A | May, 1916. |
| Rhone, John | do | do | Pascoe Coal Co. | 16980-A | Do. |
| Stewart, M. J. | do | do | Samples Coal & Mng. Co. | 16984-A | Do. |
| Cameron, William | Pittsburgh | do | McAlester Edward Coal Co. | 9037-A | February, 1915. |
| Charon, John | do | do | do | 9039-A | Do. |
| Frosco, Bert | do | do | do | 9044-A | Do. |
| Gray, W. M. | do | do | do | 9045-A | Do. |
| Hall, Daner | do | do | do | 9036-A | Do. |
| Huddart, J. H. | do | do | do | 9040-A | Do. |
| Jackson, H. L. | do | do | do | 9041-A | Do. |
| Jones, J. L. | do | do | do | 9043-A | Do. |
| Kremp, Frank | do | do | do | 9042-A | Do. |
| Martin, Earl | do | do | do | 9038-A | Do. |
| Reid, H. A. | do | do | do | 9035-A | Do. |
| Caudron, Joseph | Pocahontas | do | Pocahontas Coal Co. | 7405-A | September, 1914. |
| Charlier, Armon | do | do | do | 7407-A | Do. |
| Clark, W. | do | do | Union Coal Co. | 8728-A | January, 1915. |
| Creasy, Leonard | do | do | do | 8727-A | Do. |
| Creasy, Wallace | do | do | do | 8725-A | Do. |
| Davis, J. T. | do | do | Pocahontas Coal Co. | 8729-A | Do. |
| Edwards, E. | do | do | Union Coal Co. | 8724-A | Do. |
| Hardison, J. C. | do | do | Pocahontas Coal Co. | 7406-A | September, 1914. |

OKLAHOMA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Herndon, Murry | Pocahontas | Pittsburg | Pocahontas Coal Co | 7408-A | September, 1914. |
| Hughes, Earl | do | do | do | 7403-A | Do. |
| Oyres, A. L | do | do | do | 7404-A | Do. |
| Rose, W. L | do | do | do | 7409-A | Do. |
| Whetsel, Burt | do | do | do | 8730-A | January, 1915. |
| Callahan, C. A | Savanna | do | Dow Coal Co | 9221-A | February, 1915. |
| Cocroft, F. C | do | do | Southern Fuel Co | 9164-A | Do. |
| Daugherty, Walter | do | do | Dow Coal Co | 9219-A | Do. |
| Harrison, Edward | do | do | do | 9218-A | Do. |
| Pitcock, M. L | do | do | do | 9220-A | Do. |
| Robbins, W. C | do | do | Southern Fuel Co | 9167-A | Do. |
| Turner, James | do | do | do | 9162-A | Do. |
| Turnbull, William | do | do | do | 9166-A | Do. |
| Shield, T. P | do | do | do | 9165-A | Do. |
| Stubblefield, J. L | do | do | do | 9163-A | Do. |
| Walker, W. R | do | do | do | 9168-A | Do. |

PENNSYLVANIA.

| | | | | | |
|---|---|---|---|---|---|
| Milson, E. J | Arnold | Allegheny | McFetridge Bros. Coal Co. | 10000 | April, 1915. |
| Raiber, N. H | Bellevue | do | Student, mining engineering. | 7791-A | October, 1914. |
| Bousted, William | Birdville | do | Pennsylvania Salt Mfg. Co. | 9739-A | April, 1915. |
| Riggs, Murray | Bruceton | do | Driver | 8866-A | February, 1915. |
| Brem, John | Creighton | do | Pittsburgh Plate Glass Co. | 9065-A | Do. |
| Buckles, John | do | do | do | 9063-A | Do. |
| Craig, C. B | do | do | do | 9066-A | Do. |
| Craig, C. E | do | do | do | 9062-A | Do. |
| Gregory, George | do | do | Creighton Coal Works. | 9994-A | April, 1915. |
| McFetridge, R. B | do | do | McFetridge Bros. Coal Co. | 9995-A | Do. |
| McFetridge, W. F | do | do | do | 9999-A | Do. |
| Stark, R. P | do | do | Pittsburgh Plate Glass Co. | 9064-A | February, 1915. |
| Gries, F. C | Fair Haven | do | Machine man | 8867-A | Do. |
| Frain, Thomas | Hardwick | do | Allegheny Coal Co | 10147-A | May, 1915. |
| Hayes, E. J | do | do | do | 10145-A | Do. |
| North, J. E | do | do | do | 10144-A | Do. |
| Schafer, A. C | do | do | do | 10149-A | Do. |
| Sirman, E. H | do | do | do | 10143-A | Do. |
| Atkinson, M. J | Hite | do | McFetridge Bros. Coal Co. | 9996-A | April, 1915. |
| Davis, W. B | do | do | do | 9997-A | Do. |
| Harris, G. G | do | do | do | 10001-A | Do. |
| Haslett, Harry | do | do | Pittsburgh Plate Glass Co. | 9067-A | February, 1915. |
| Pritchard, T. A | Moon Run | do | Associated Companies. | 15945-A | March, 1916. |
| Cresap, Logan | Munhall | do | Lieutenant, United States Navy. | 10152-A | May, 1915. |
| Schlabach, R. P | do | do | Naval constructor, United States Navy. | 10153-A | Do. |
| Barclay, William | Natrona | do | Pennsylvania Salt Mfg. Co. | 9746-A | April, 1915. |
| Bartel, Otto | do | do | do | 9741-A | Do. |
| Huey, W. J | do | do | do | 9742-A | Do. |
| Kepner, I. V | do | do | do | 9744-A | Do. |
| Marts, W. M | do | do | do | 9745-A | Do. |
| Riley, J. L | do | do | do | 9740-A | Do. |
| Wolff, Harry | do | do | do | 9743-A | Do. |
| Bundy, Charles | Noblestown | do | Carnegie Coal Co | 16233-A | Do. |
| Berry, J. V | Pittsburgh | do | First-aid miner, Bureau of Mines car 1. | 13109-A | November, 1915. |
| Clark, L. F | do | do | (a) | 11829-A | September, 1915. |
| Cooke, D. W | do | do | Clerk, Bureau of Mines rescue car 8. | 13175-A | November, 1915. |

a With United States Bureau of Mines when training was taken; since resigned.

PENNSYLVANIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Davies, J. C | Pittsburgh | Allegheny | Pittsburgh Terminal Railroad & Coal Co. | 18069 | June, 1916. |
| Elder, P. G | do | do | Associated Companies. | 16229-A | April, 1916. |
| Fleming, J. R | do | do | Assistant mining engineer, United States Bureau of Mines. | 7421-A | September, 1914. |
| Harrington, Daniel | do | do | Mining engineer, United States Bureau of Mines. | 8043-A | January, 1915. |
| Holsing, W. J | do | do | Associated Companies. | 16227-A | April, 1916. |
| Hutchinson, P. L | do | do | (a) | 8722-A | January, 1915. |
| Lacy, H. B | do | do | Colonial Supply Co | 13375-A | November, 1915. |
| Laning, A. H | do | do | (a) | 8045-A | January, 1915. |
| McKee, C. J | do | do | First-aid miner, United States Bureau of Mines. | 17029-A | May, 1916. |
| McLain, John | do | do | Associated Companies. | 16230-A | April, 1916. |
| More, J. T | do | do | (a) | 7423-A | September, 1914. |
| O'Hara, J. B | do | do | Associated Companies. | 16231-A | April, 1916. |
| Parker, D. J | do | do | Mining engineer, United States Bureau of Mines. | 8046-A | January, 1915. |
| Plank, W. B | do | do | (a) | 17239-A | May, 1916. |
| Rahilly, H. J | do | do | Junior mining engineer, United States Bureau of Mines. | 13374-A | November, 1915. |
| Smith, H. E | do | do | Associated Companies. | 15942-A | March, 1916. |
| Staley, Edwin | do | do | (a) | 8044-A | January, 1915. |
| Strunk, A. T | do | do | Clerk, United States Bureau of Mines. | 7792-A | October, 1914. |
| Black, C. F | Rodfield | do | Pittsburgh Terminal Railroad & Coal Co. | 10373 | May, 1915. |
| Black, G. L | do | do | do | 10374 | Do. |
| Do | do | do | do | 10374-A | October, 1915. |
| Black, H. M | do | do | do | 11511-A | Do. |
| Bailey, O. C | Russellton | do | Bessemer Coal and Coke Co. | 10159-A | May, 1915. |
| Clark, Alexander | do | do | do | 10161-A | Do. |
| Cox, J. A | do | do | do | 10158-A | Do. |
| Fox, Henry | do | do | do | 10375 | Do. |
| Irvine, Richard | do | do | do | 10162-A | Do. |
| McMillen, H. A | do | do | do | 10157-A | Do. |
| Walker, G. F | do | do | do | 10156-A | Do. |
| Wright, Thomas | do | do | do | 10160-A | Do. |
| Brown, H. M | Springdale | do | Allegheny Coal Co | 10146-A | May, 1915. |
| Green, W. J | do | do | do | 10140-A | Do. |
| Dagan, Frank | Tarentum | do | McFetridge Bros. Coal Co. | 9998 | April, 1915. |
| Murphy, E. M | Wilkinsburg | do | Electrician | 7348-A | August, 1914. |
| Hammitt, E. P | Appollo | Armstrong | Student, State University. | 13907-F | December, 1915. |
| Craft, J. R | Nu Mine | do | Cowanshannock Coal Co. | 10175-A | May, 1915. |
| Maust, S. W | do | do | do | 10174-A | Do. |
| Packer, S. S | do | do | do | 11382-A | June, 1915. |
| Yeloushan, J. C., jr | do | do | do | 11386-A | Do. |
| Pinkerton, Frank | Rural Valley | do | do | 11389-A | Do. |
| Clark, B. J | Yatesboro | do | do | 10175-A | May, 1915. |
| Connell, John, jr | do | do | do | 11383-A | June, 1915. |
| Craft, William | do | do | do | 10177-A | May, 1915. |
| Crooks, B. J | do | do | do | 11388-A | June, 1915. |
| Enterline, S. D | do | do | do | 10181-A | May, 1915. |
| Facemyer, Charles | do | do | do | 10178-A | Do. |
| Findley, Walter | do | do | do | 11384-A | June, 1915. |
| Jones, Arnold | do | do | do | 11385-A | Do. |
| Kirkwood, R. A | do | do | do | 11387-A | Do. |
| McLachlan, James, jr. | do | do | do | 10179-A | May, 1915. |
| Patterson, John | do | do | do | 10180-A | Do. |
| Reed, Alexander | do | do | do | 10182-A | Do. |
| Appleyard, Arthur | Amsbry | Cambria | Pennsylvania Coal & Coke Co. | 15044 | February, 1916. |
| Smith, Daniel | do | do | do | 15045 | Do. |

PENNSYLVANIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Barr, R. H. | Beaverdale | Cambria | Beaver Run Coal Co. | 14394-A | January, 1916. |
| Cook, Alexander | do | do | Logan Coal Co | 14389-A | Do. |
| Cook, M. H. | do | do | do | 14671-A | Do. |
| Gunsallus, Frank | do | do | do | 14672-A | Do. |
| Holt, Edward | do | do | do | 14670-A | Do. |
| Jones, Robert | do | do | Beaver Run Coal Co. | 14396-A | Do. |
| Lanmark, Samuel | do | do | do | 14393-A | Do. |
| Law, Henry | do | do | Logan Coal Co | 14388-A | Do. |
| McEwan, A. J. | do | do | Beaver Run Coal Co. | 14669-A | Do. |
| Nelson, J. J. | do | do | Logan Coal Co | 14392-A | Do. |
| Prudhoa, Thomas | do | do | Beaver Run Coal Co. | 14668-A | Do. |
| Shockey, Charles | do | do | Logan Coal Co | 14673-A | Do. |
| Simmons, Frederick | do | do | Beaver Run Coal Co. | 14667-A | Do. |
| Smith, H. P. | do | do | do | 14395-A | Do. |
| Spezio, John | do | do | do | 14666-A | Do. |
| Swansboro, Elwood | do | do | Logan Coal Co | 14390-A | Do. |
| Trisch, George | do | do | Beaver Run Coal Co. | 14674-A | Do. |
| Westover, O. J. | do | do | Logan Coal Co | 14391-A | Do. |
| Adams, Bert | Belsano | do | Commercial Coal Co | 17639-A | May, 1916. |
| Beaver, Bert | do | do | do | 17599-A | Do. |
| Cramer, John | do | do | do | 17213-A | Do. |
| Empfield, Elmer | do | do | Big Bend Coal Co | 17216-A | Do. |
| Walker, Edward | do | do | Commercial Coal Co | 17210-A | Do. |
| Klepk, John | Bracken | do | do | 17212-A | Do. |
| McFeely, M. U. | do | do | do | 17211-A | Do. |
| Walker, Henry | do | do | do | 17219-A | Do. |
| Currie, Robert | Cresson | do | Pennsylvania Coal & Coke Co. | 14964-A | February, 1916. |
| Yanssens, Ernest | do | do | do | 14965-A | Do. |
| Bootle, Richard | Dunlo | do | Henrietta Coal Co | 15060-A | Do. |
| Calderwood, J. H. | do | do | Logan Coal Co | 15058-A | Do. |
| Calderwood, Raymond. | do | do | Henriette Coal Co | 14741-A | January, 1916. |
| Cambell, Edward | do | do | Logan Coal Co | 14740-A | Do. |
| Pride, Isaac | do | do | Henriette Coal Co | 14742-A | Do. |
| Reese, Moses | do | do | Mountain Coal Co | 15059-A | February, 1916. |
| Ritchey, Sheldon | do | do | do | 15062-A | Do. |
| Shier, Albert | do | do | do | 15061-A | Do. |
| Smith, Fred | do | do | do | 15077-A | Do. |
| Smith, Thomas | do | do | do | 14743-A | January, 1916. |
| Turley, Roy | do | do | do | 14744-A | Do. |
| Blakelee, S. W. | Ehrenfeld | do | Pennsylvania Coal & Coke Co. | 14618 | Do. |
| Panatzer, Louis | do | do | do | 14619 | Do. |
| Whitehouse, J. F. | do | do | do | 14444-A | Do. |
| Christian, David | Expedit | do | Commercial Coal Co | 17601-A | May, 1916. |
| Croyle, Blair | do | do | Big Bend Coal Co | 17218-A | Do. |
| Empfield, Harry | do | do | Commercial Coal Co | 17640-A | Do. |
| Frame, George | do | do | do | 17603-A | Do. |
| Galish, John | do | do | do | 17600-A | Do. |
| Hallas, Enich | do | do | Big Bend Coal Co | 17215-A | Do. |
| Kline, Frank | do | do | Commercial Coal Co | 17602-A | Do. |
| Ludwig, John | do | do | do | 17638-A | Do. |
| Rafter, Edward | do | do | Big Bend Coal Co | 17214-A | Do. |
| Rodgers, Hugh | do | do | do | 17217-A | Do. |
| Weary, Robert | do | do | Commercial Coal Co | 17641-A | Do. |
| Wilson, J. S. | do | do | Big Bend Coal Co | 17220-A | Do. |
| Dabbs, Robert | Gallitzin | do | Pennsylvania Coal & Coke Co. | 14962-A | February, 1916. |
| Glancy, E. M. | do | do | Taylor-McCoy Coal & Coke Co. | 14960-A | Do. |
| Hartman, G. T. | do | do | Pennsylvania Coal & Coke Co. | 14963-A | Do. |
| Leonard, G. A. | do | do | Taylor-McCoy Coal & Coke Co. | 14961-A | Do. |
| Lilly, E. F. | do | do | do | 15626-A | March, 1916. |
| McLaughlin, J. P. | do | do | Glen White Coal & Lumber Co. | 15628-A | Do. |
| McLaughlin, T. J. | do | do | Tunnel Coaling Co | 15437 | Do. |
| Reagan, J. B. | do | do | do | 15629-A | Do. |
| O'Brien, W. J. | do | do | do | 15625-A | Do. |
| Olson, J. E. | do | do | Glen White Coal & Lumber Co. | 15631-A | Do. |
| Slusser, George | do | do | Tunnel Coaling Co | 15627-A | Do. |
| Wapersky, Otto | do | do | Taylor-McCoy Coal & Coke Co. | 15630-A | Do. |

PENNSYLVANIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Davies, T. J. | Johnstown | Cambria | Mine foreman | 7409-A | September, 1914. |
| Hartill, Benjamin | do | do | Cambria Steel Co | 7417-A | Do. |
| Williams, Edmund | do | do | do | 11828-A | September, 1915. |
| Babcock, John | Marsteller | do | Pennsylvania Coal & Coke Co. | 18398-A | June, 1916. |
| Holand, Harry | do | do | do | 18399-A | Do. |
| Kline, Nick | do | do | do | 18397-A | Do. |
| McQuillen, Thomas | do | do | do | 18396-A | Do. |
| Tims, Thomas | do | do | do | 18400-A | Do. |
| Bellman, Harry | Nanty Glo | do | do | 18032-A | Do. |
| Bellman, James | do | do | do | 18044-A | Do. |
| Bracken, John | do | do | Nanty Glo Coal Co | 18037-A | Do. |
| Brown, J. H | do | do | Pennsylvania Coal & Coke Co. | 18031-A | Do. |
| Burns, Alexander | do | do | do | 18041-A | Do. |
| Butala, Steve | do | do | do | 18050-A | Do. |
| Connah, William | do | do | Springfield Coal Co | 18054-A | Do. |
| Connelly, John | do | do | do | 18052-A | Do. |
| Herrick, William | do | do | Lincoln Coal Co | 18040-A | Do. |
| Jones, Evan | do | do | Pennsylvania Coal & Coke Co. | 18034-A | Do. |
| Jones, Joseph | do | do | Nanty Glo Coal Co | 18038-A | Do. |
| Leonard, J. P | do | do | Lincoln Coal Co | 18033-A | Do. |
| Little, Boyd | do | do | Nanty Glo Coal Co | 18039-A | Do. |
| McDonnell, John | do | do | Lincoln Coal Co | 18029-A | Do. |
| McTigue, James | do | do | do | 18057-A | Do. |
| McTigue, L. B | do | do | Nanty Glo Coal Co | 18043-A | Do. |
| McTigue, Thomas | do | do | Lincoln Coal Co | 18045-A | Do. |
| Malloy, Andrew | do | do | do | 18046-A | Do. |
| Mash, P. J | do | do | Pennsylvania Coal & Coke Co. | 18030-A | Do. |
| Moody, Thomas | do | do | Nanty Glo Coal Co | 18056-A | Do. |
| Pearce, J. E | do | do | Springfield Coal Co | 18036-A | Do. |
| Pearson, Victor | do | do | Nanty Glo Coal Co | 18055-A | Do. |
| Schola, Edward | do | do | Springfield Coal Co | 18053-A | Do. |
| Schola, John | do | do | do | 18042-A | Do. |
| Schwartz, Charles | do | do | Lincoln Coal Co | 18071 | Do. |
| Sugarick, Steve | do | do | Pennsylvania Coal & Coke Co. | 18051-A | Do. |
| Vandemergel, Victor | do | do | Springfield Coal Co | 18035-A | Do. |
| Veres, Andrew | do | do | do | 18047-A | Do. |
| Walker, James | do | do | do | 18049-A | Do. |
| Beckwith, C. J | Patton | do | Pennsylvania Coal & Coke Co. | 18385-A | Do. |
| Beckwith, Walter | do | do | do | 18394-A | Do. |
| Christoff, L. B | do | do | do | 18387-A | Do. |
| Colburg, A. J | do | do | do | 18381-A | Do. |
| Crowell, Elmer | do | do | do | 18389-A | Do. |
| Dunn, T. S | do | do | Associated Companies. | 15943-A | March, 1916. |
| Hricko, A. B., jr | do | do | Pennsylvania Coal & Coke Co. | 18388-A | June, 1916. |
| Hunitz, Andrew | do | do | do | 18401-A | Do. |
| Jacobs, A. A | do | do | do | 18393-A | Do. |
| Lamont, Thomas | do | do | do | 18395-A | Do. |
| Lamont, William | do | do | do | 18382-A | Do. |
| Matley, R. G | do | do | do | 18386-A | Do. |
| Nelson, Crawford | do | do | do | 18392-A | Do. |
| Newcombe, R. M | do | do | do | 18390-A | Do. |
| Rennie, Hugh | do | do | do | 18391-A | Do. |
| Rennie, J. A | do | do | do | 18384-A | Do. |
| Williams, H. L | do | do | do | 18383-A | Do. |
| Baldwin, Isaac | South Fork | do | do | 14443-A | January, 1916. |
| Brinkworth, Albert | do | do | Stineman Coal & Coke Co. | 14437-A | Do. |
| Chapple, Emanuel | do | do | do | 14438-A | Do. |
| Fry, H. C | do | do | do | 14617 | Do. |
| Gallaghan, T. J | do | do | Pennsylvania Coal & Coke Co. | 14442-A | Do. |
| Graves, Thomas | do | do | Stineman Coal & Coke Co. | 14616 | Do. |
| Hudson, Jonathan | do | do | do | 14615 | Do. |
| Jarvie, John | do | do | do | 14439-A | Do. |
| Jones, B. H | do | do | do | 14440-A | Do. |
| Peden, W. A | do | do | do | 14433-A | Do. |
| Poden, David | do | do | do | 14441-A | Do. |
| Trimbath, John | do | do | do | 14434-A | Do. |
| Winder, George | do | do | do | 14435-A | Do. |
| Whitehead, Samuel | do | do | do | 14436-A | Do. |

PENNSYLVANIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Hobbs, W. G | Summer Hill | Cambria | Stineman Coal & Coke Co. | 14445-A | January, 1916. |
| Anderson, A. G | Vintondale | do | Vinton Colliery Co | 17361-A | May, 1916. |
| Andrew, Samuel | do | do | do | 17388 | Do. |
| Balog, George | do | do | do | 17300-A | Do. |
| Cresswell, A | do | do | do | 17291-A | Do. |
| Coucill, Ernest | do | do | do | 17297-A | Do. |
| Daly, Herbert | do | do | do | 17299-A | Do. |
| Esaias, Thomas | do | do | do | 17296-A | Do. |
| Gungloff, W. G | do | do | do | 17294-A | Do. |
| Hanwell, Alfred | do | do | do | 17290-A | Do. |
| Hunter, W. E | do | do | Vintondale Coal Co | 17283-A | Do. |
| Huth, John | do | do | Vinton Colliery Co | 17293-A | Do. |
| Kerkes, John | do | do | do | 17302-A | Do. |
| Kish, Frank | do | do | Vintondale Coal Co | 17281-A | Do. |
| Long, C. M | do | do | do | 17284-A | Do. |
| Lovelace, Carl | do | do | Vinton Colliery Co | 17295-A | Do. |
| Morton, John | do | do | do | 17288-A | Do. |
| Novitski, Andrew | do | do | do | 17303-A | Do. |
| Rafacz, John | do | do | do | 17287-A | Do. |
| Regis, American | do | do | Vintondale Coal Co | 17386 | Do. |
| Sadasky, John | do | do | do | 17390 | Do. |
| Shaffer, C. G | do | do | Vinton Colliery Co | 17286-A | Do. |
| Slutter, N. W | do | do | do | 17292-A | Do. |
| Stafaski, Andrew | do | do | Vintondale Coal Co | 17391 | Do. |
| Sucbic, Andrew | do | do | do | 17387 | Do. |
| Swanson, H. S | do | do | do | 17282-A | Do. |
| Szaranetz, John | do | do | Vinton Colliery Co | 17285-A | Do. |
| Thorne, Raymond | do | do | Vintondale Coal Co | 17279-A | Do. |
| Trampton, Horace | do | do | Vinton Colliery Co | 17289-A | Do. |
| Vaskovich, George | do | do | Vintondale Coal Co | 17280-A | Do. |
| Woodward, Richard | do | do | Vinton Colliery Co | 17298-A | Do. |
| Dundish, Alexander | Clarence | Center | Lehigh Valley Coal Co. | 13787-A | November, 1915. |
| Gombort, Andrew | do | do | do | 13788-A | Do. |
| McCartney, F. M | do | do | Morgan & Hoy Coal Co. | 13790-A | Do. |
| McCloskey, H. J | do | do | Lehigh Valley Coal Co. | 13206-A | Do. |
| Stisik, Stephen | do | do | Kelly Bros. Coal Co | 13205-A | Do. |
| Henry, J. T | Martha Furnace. | do | Student | 13935-A | December, 1915. |
| Smouse, Edward | Moshannon | do | Morgan & Hoy Coal Co. | 13383-A | November, 1915. |
| Bohn, John | Snow Shoe | do | Lehigh Valley Coal Co. | 13201-A | Do. |
| Gleason, E. L | do | do | do | 13382-A | Do. |
| Howell, W. D | do | do | do | 13786-A | Do. |
| Irwin, J. C | do | do | do | 13203-A | Do. |
| Morgan, J. T | do | do | Kelly Bros. Coal. Co | 13381-A | Do. |
| Morgan, J. J | do | do | do | 13784-A | Do. |
| Quirk, J. J | do | do | Lehigh Valley Coal Co. | 13202-A | Do. |
| Quirk, P. E | do | do | do | 13378-A | Do. |
| Rasdorf, Emil | do | do | do | 13384-A | Do. |
| St. Clair, James | do | do | Kelly Bros. Coal Co | 13785-A | Do. |
| Shaw, Hugh | do | do | Lehigh Valley Coal Co. | 13789-A | Do. |
| Viehdeffer, H. E | do | do | Kelly Bros. Coal Co | 13379-A | Do. |
| Weaver, C. H | do | do | Lehigh Valley Coal Co. | 13380-A | Do. |
| Whiteman, Ira | do | do | Kelly Bros. Coal Co | 13204-A | Do. |
| Bray, H. H | State College | do | Student | 13931-A | December, 1915. |
| Ellis, G. L | do | do | do | 13932-A | Do. |
| Hall, C. K | do | do | do | 13936-A | Do. |
| Harding, W. S | do | do | do | 13908-A | Do. |
| Herr, J. C | do | do | do | 13937-A | Do. |
| Morgan, G. D | do | do | do | 13930-A | Do. |
| Robinson, J. S | do | do | do | 14633 | January, 1916. |
| Smith, A. F | do | do | do | 13934-A | December, 1915. |
| Tess, L. P | do | do | do | 13938-A | Do. |
| Youtz, R. B | do | do | do | 13933-A | Do. |
| Smith, S. W | Brownsville | Fayette | Pittsburgh & Erie Coal Co. | 17073-A | May, 1916. |
| Waine, Charles | do | do | Miner | 17072-A | Do. |
| Duncan, W. G | Dawson | do | Sunshine Coal & Coke Co. | 12359-A | October, 1915. |
| Ward, J. H | Uniontown | do | Cook, U. S. Bureau of Mines rescue car 4. | 8113-A | January, 1915. |
| Hood, O. D | Clarksburg | Indiana | Pittsburgh Gas Coal Co. | 10042-A | April, 1915. |
| Kier, Harry | do | do | do | 10036-A | Do. |
| Meyer John | do | do | do | 11418-A | June, 1915. |

PENNSYLVANIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| June, Victor | Reed | Indiana | Pittsburgh Gas Coal Co | 11421-A | June, 1915. |
| Ewing, Walter | Elders Ridge | do | do | 10039-A | Do. |
| Cummins, James | Aultman | do | Jefferson & Clearfield Coal & Iron Co. | 10027-A | Do. |
| Hession, Joseph | do | do | do | 10031-A | Do. |
| London, Paul | do | do | do | 10028-A | Do. |
| Nostak, Samuel | do | do | do | 10029-A | Do. |
| Petcosh, John | do | do | do | 10074-A | Do. |
| Reese, George | do | do | do | 10077-A | Do. |
| Reese, Lewis | do | do | do | 10076-A | Do. |
| Salva, Joseph | do | do | do | 10075-A | Do. |
| Spocht, Harry | do | do | do | 10078-A | Do. |
| Canley, B. J | Chambersville | do | Seneca Coal Co | 10081-A | Do. |
| Ditullio, James | do | do | do | 10082-A | Do. |
| Frew, James | do | do | do | 10084-A | Do. |
| Lambo, Tony | do | do | do | 10083-A | Do. |
| McGinnis, Thomas | do | do | do | 10085-A | Do. |
| Marzullo, Frank | do | do | do | 10079-A | Do. |
| Stivison, Hale | do | do | do | 10080-A | Do. |
| Adair, Hans | Ernest | do | Jefferson & Clearfield Coal & Iron Co. | 9274-A | February, 1915. |
| Anderson, Frank | do | do | do | 9282-A | Do. |
| Baird, John | do | do | do | 9276-A | Do. |
| Ball, J. W | do | do | do | 9288-A | Do. |
| Bier, J. A | do | do | do | 9294-A | Do. |
| Daniels, Irwin | do | do | do | 9273-A | Do. |
| Deans, John | do | do | do | 9287-A | Do. |
| Fifick, Louis | do | do | do | 9284-A | Do. |
| Gribbon, J. H | do | do | do | 9293-A | Do. |
| Guide, Dominic | do | do | do | 9300-A | Do. |
| Howitt, Samuel | do | do | do | 9281-A | Do. |
| Jeffrey, Thomas | do | do | do | 9301-A | Do. |
| Jones, J. T | do | do | do | 9292-A | Do. |
| Jones, Thomas | do | do | do | 9280-A | Do. |
| Jones, William | do | do | do | 9291-A | Do. |
| Lundstrom, J. N | do | do | do | 9297-A | Do. |
| Metcalfe, J. C | do | do | do | 9296-A | Do. |
| McCleary, Chester | do | do | do | 9285-A | Do. |
| O'Hara, John | do | do | do | 9283-A | Do. |
| Oldham, F. W | do | do | do | 9278-A | Do. |
| Pugh, W. E., jr | do | do | do | 9295-A | Do. |
| Ruddock, David G., jr | do | do | do | 9275-A | Do. |
| Whinnie, William | do | do | do | 9279-A | Do. |
| Wilden, Thomas jr | do | do | do | 9286-A | Do. |
| Wilden, Samuel | do | do | do | 9277-A | Do. |
| Bracken, J. R | Homer City | do | Rochester & Pittsburgh Coal & Iron Co. | 8807-A | Do. |
| Buhite, W. C | do | do | do | 8752-A | January, 1915. |
| Crilley, W. H | do | do | Jefferson & Clearfield Coal & Iron Co. | 10030-A | April, 1915. |
| Davis, R. B | do | do | Rochester & Pittsburgh Coal & Iron Co. | 8755-A | January, 1915. |
| Hambleton, B. F | do | do | do | 8701-A | Do. |
| Hanan, E. W | do | do | do | 8756-A | Do. |
| Holdsworth, Thos | do | do | do | 8757-A | Do. |
| Horning, C. S | do | do | do | 8754-A | Do. |
| Kinniburgh, J. W | do | do | do | 8758-A | Do. |
| Kuhns, W. S | do | do | do | 8753-A | Do. |
| Laney, R. S | do | do | do | 8203-A | Do. |
| Morris, Charles | do | do | do | 8746-A | Do. |
| Phillippi, L. S | do | do | do | 8747-A | Do. |
| Phillippi, J. R | do | do | do | 8759-A | Do. |
| Rankin, J. D | do | do | do | 8703-A | Do. |
| Roush, H. M | do | do | do | 8812-A | February, 1915. |
| Shaner, R. E | do | do | do | 8702-A | January, 1915. |
| Sheets, E. E | do | do | do | 8811-A | February, 1915. |
| Thomas, Evan J | do | do | do | 8806-A | Do. |
| Voyten, A. B | do | do | do | 8809-A | Do. |
| Walker, W. J | do | do | do | 8808-A | Do. |
| Ernest, Joseph | Indiana | do | Jefferson & Clearfield Coal & Iron Co. | 9299-A | Do. |
| Flannagan, O. J | do | do | do | 9290-A | Do. |
| Gorman, J. E | do | do | do | 9289-A | Do. |
| Hilliard, Heath | do | do | Rochester & Pittsburgh Coal & Iron Co. | 8197-A | January, 1915. |

PENNSYLVANIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Law, James | Indiana | Indiana | Jefferson & Clearfield Coal & Iron Co. | 9298-A | February, 1915. |
| Ando, John | Iselin | do | Pittsburgh Gas Coal Co | 11419-A | June, 1915. |
| Anderson, Rudolph | do | do | do | 10016-A | April, 1915. |
| Bartley, Henry | do | do | do | 10021-A | Do. |
| Bonome, Joseph | do | do | do | 10022-A | Do. |
| Carroll, C. H | do | do | do | 10040-A | Do. |
| Delehanty, J. E | do | do | do | 10020-A | Do. |
| Dissinger, Robert | do | do | do | 10041-A | Do. |
| Florntine, Albert | do | do | do | 10018-A | Do. |
| Furey, J. R | do | do | do | 10033-A | Do. |
| Greenwalt, Otto | do | do | do | 10034-A | Do. |
| Henry, Ralph | do | do | do | 11423-A | June, 1915. |
| Laverick, J. R | do | do | do | 11420-A | Do. |
| Luderer, John | do | do | do | 10023-A | April, 1915. |
| McNally, John | do | do | do | 10019-A | Do. |
| Martin, William | do | do | do | 11425-A | June, 1915. |
| Nelson, Charles | do | do | do | 11417-A | Do. |
| Pride, W. B | do | do | do | 11415-A | Do. |
| Ruddock, Charles | do | do | do | 11422-A | Do. |
| Sandstrom, J. A | do | do | do | 10038-A | April, 1915. |
| Simpson, James | do | do | do | 10017-A | Do. |
| Spencer, Hugh | do | do | do | 11424-A | June, 1915. |
| Spondike, Michael | do | do | do | 10015-A | April, 1915. |
| Thurston, E. G | do | do | do | 10035-A | Do. |
| Wardrop, Herbert | do | do | do | 10037-A | Do. |
| Downer, W. M | Lucerne mines | do | Rochester & Pittsburgh Coal & Iron Co. | 8202-A | January, 1915. |
| Elias, Michel | do | do | do | 8749-A | Do. |
| Facemeyer, M. J | do | do | do | 8206-A | Do. |
| Ferguson, S. L | do | do | do | 8810-A | February, 1915. |
| Harris, Alexander | do | do | do | 8200-A | January, 1915. |
| Harris, M. S | do | do | do | 8205-A | Do. |
| Hogan, D. C | do | do | do | 8204-A | Do. |
| Keller, Charles | do | do | do | 8201-A | Do. |
| Kinniburgh, Peter | do | do | do | 8751-A | Do. |
| McCormick, Carrol | do | do | do | 8748-A | Do. |
| Neil, John | do | do | do | 8813-A | February, 1915. |
| Rososky, G | do | do | do | 8760-A | January, 1915. |
| Swanson, J. T | do | do | do | 8198-A | Do. |
| Trescella, George | do | do | do | 8199-A | Do. |
| Voyten, Michel | do | do | do | 8750-A | Do. |
| Beard, W. H | Wehrum | do | Lackawanna Coal & Coke Co. | 16196-A | April, 1916. |
| Berry, J. P | do | do | do | 16321 | Do. |
| Bucknam, R. E | do | do | do | 16188-A | Do. |
| Carson, W. F | do | do | do | 16189-A | Do. |
| Collins, Archie | do | do | do | 16191-A | Do. |
| Delagram, John | do | do | do | 16324 | Do. |
| Dibble, H. C | do | do | do | 16320 | Do. |
| Dibble, W. E | do | do | do | 16323 | Do. |
| Fanchak, Joseph | do | do | do | 16200-A | Do. |
| Francis, William | do | do | do | 16322 | Do. |
| Frazier, John | do | do | do | 16190-A | Do. |
| Galbreath, R. E | do | do | do | 16195-A | Do. |
| Hopkins, Thomas | do | do | do | 16198-A | Do. |
| King, Herbert | do | do | do | 16266-A | Do. |
| Maize, W. L | do | do | do | 16192-A | Do. |
| Palin, J. S | do | do | do | 16193-A | Do. |
| Pebit, George | do | do | do | 16325 | Do. |
| Pfoutz, J. R | do | do | do | 16201-A | Do. |
| Smith, J. M | do | do | do | 16204-A | Do. |
| Sparno, Bruno | do | do | do | 16203-A | Do. |
| Stutzman, David | do | do | do | 16199-A | Do. |
| Walton, Charles | do | do | do | 16202-A | Do. |
| Watson, Mitchell | do | do | do | 16197-A | Do. |
| Woodward, Joseph | do | do | do | 16194-A | Do. |
| Danielson, A | Anita | Jefferson | Rochester & Pittsburgh Coal & Iron Co. | 11434-A | June, 1915. |
| Hochinson, Arvad | do | do | do | 11426-A | Do. |
| Hritz, Stephen | do | do | do | 11432-A | Do. |
| Lewis, John | do | do | do | 11433-A | Do. |
| Miller, Raymond | do | do | do | 11427-A | Do. |
| Campbell, Robert | De Lancey | do | do | 11428-A | Do. |
| Hall, Fred | do | do | do | 11435-A | Do. |
| Lesnick, Joseph | do | do | do | 11431-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Warden, Alexander. | De Lancey | Jefferson | Rochester & Pittsburgh Coal & Iron Co. | 11429-A | June, 1915. |
| Patterson, James | Desire | do | do | 11437-A | June, 1915. |
| Collins, Thomas | Eleanor | do | do | 11436-A | Do. |
| Facemyer, George | do | do | do | 11443-A | Do. |
| Mottey, George | do | do | do | 11441-A | Do. |
| Patterson, Robert | do | do | do | 11442-A | Do. |
| Robertson, C. H | do | do | do | 11444-A | Do. |
| Volansky, Andrew | do | do | do | 11438-A | Do. |
| Cummings, John | Frostburg | do | do | 10201-A | May, 1915. |
| Danvir, William | do | do | do | 10192-A | Do. |
| Astorend, Guy | Walston | do | do | 10194-A | Do. |
| Cardone, Ralph | do | do | do | 10200-A | Do. |
| Cummings, Richard | do | do | do | 10196-A | Do. |
| Murrel, Tony | do | do | do | 10193-A | Do. |
| Nase, I. L | do | do | do | 10195-A | Do. |
| Gotwald, George | West Punxsutawney. | do | do | 11430-A | June, 1915. |
| Guthrie, P. J | do | do | do | 10198-A | May, 1915. |
| Martin, Richard | do | do | do | 10199-A | Do. |
| Murphy, Patrick | do | do | do | 11445-A | June, 1915. |
| Whinnie, Alexander | do | do | do | 11439-A | Do. |
| White, Wilbert | do | do | do | 11440-A | Do. |
| Wright, Edward | do | do | do | 10197-A | May, 1915. |
| Murphy, P. A | Archbald | Lackawanna | Mount Jessup Coal Co. | 13106-A | November, 1915. |
| Matters, John | Blakely | do | Temple Coal Co | 12956-A | October, 1915. |
| Kubelus, Joseph | Jessup | do | Mount Jessup Coal Co. | 13108-A | November, 1915. |
| Meter, Joseph | do | do | Temple Coal Co | 12944-A | October, 1915. |
| Mumley, M. P | do | do | Mount Jessup Coal Co. | 13105-A | November, 1915. |
| Pachuta, John | do | do | Temple Coal Co | 12950-A | October, 1915. |
| Perrini, Otim | do | do | do | 12952-A | Do. |
| Quinn, Patrick | do | do | do | 12954-A | Do. |
| Ward, W. F | do | do | do | 12945-A | Do. |
| Davis, A. L | Olyphant | do | do | 12946-A | Do. |
| Feeney, James | do | do | Mount Jessup Coal Co. | 13104-A | November, 1915. |
| Kinsley, Arthur | do | do | Temple Coal Co | 12948-A | October, 1915. |
| Lewis, T. T | do | do | do | 12942-A | Do. |
| Cartwright, T. S | Peckville | do | Mount Jessup Coal Co. | 13103-A | November, 1915. |
| Cawley, Eugene | do | do | Temple Coal Co | 12953-A | October, 1915. |
| Davis, I. J | do | do | do | 12943-A | Do. |
| Davis, H. J | do | do | do | 12941-A | Do. |
| Dougher, T. L | do | do | do | 12951-A | Do. |
| Gallagher, James | do | do | do | 12947-A | Do. |
| Golden, J. A | do | do | do | 12955-A | Do. |
| Stephens, James | do | do | do | 12940-A | Do. |
| Westcott, Harry | do | do | Mount Jessup Coal Co. | 13107-A | November, 1915. |
| Weston, D. J | Scranton | Lackawanna | Temple Coal Co | 12949-A | October, 1915. |
| McCaa, G. S | Allentown | Lehigh | Muhlenberg College | 15883-A | March, 1916. |
| Tibush, Frank | Malby | Luzerne | Forty Fort Coal Co | 9763 | April, 1915. |
| Williams, Philip | Forty Fort | Luzerne | Forty Fort Coal Co | 9762 | April, 1915. |
| Bush, William | Luzerne | do | do | 9759 | Do. |
| Hendershot, Albert. | do | do | do | 9761 | Do. |
| May, Harold | do | do | do | 9764 | Do. |
| Pazolka, John | do | do | do | 9757 | Do. |
| Bridal, Thomas | Mocanaqua | do | West End Coal Co | 12755-A | October, 1915. |
| Harter, H. H | do | do | do | 12759-A | Do. |
| Medvetz, John | do | do | do | 12758-A | Do. |
| Urbanek, Casper | do | do | do | 12764-A | Do. |
| Zapka, S. J | do | do | do | 12760-A | Do. |
| Buckwith, Thomas. | Pittston | do | Mount Lookout Coal Co. | 11504 | June, 1915. |
| Clemencheski, Victor. | do | do | do | 11506 | Do. |
| Pallock, Andrew | do | do | do | 11499 | Do. |
| Williams, David | do | do | do | 11502 | Do. |
| Evans, M. R | Plymouth | do | Associated Companies. | 15940-A | March, 1916. |
| Hontz, Ira | Pond Hill | do | West End Coal Co | 12762-A | October, 1915. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Smith, Freas | Pond Hill | Luzerne | West End Coal Co | 12761-A | October, 1915. |
| Shaver, H. H | Shavertown | do | Student, State University. | 13905-A | December, 1915. |
| Dunbar, R. B | Shickshinney | do | West End Coal Co | 12765-A | Do. |
| Kaiser, G. F | do | do | do | 12756-A | Do. |
| Keatley, J. P | do | do | do | 12754-A | Do. |
| Mitchell, P. F | do | do | E. S. Stackhouse Coal Co. | 12753 | Do. |
| Papciak, Stanley | do | do | West End Coal Co | 12757-A | Do. |
| Remaly, C. R | do | do | do | 12766-A | Do. |
| Remaly, J. M | do | do | do | 12752-A | Do. |
| Seader, Oscar | do | do | do | 12763-A | Do. |
| Calpin, William | Sugar Notch | do | Pittston Coal Mng. Co | 15938-A | March, 1916. |
| Gallagher, Isaac | do | do | do | 15936-A | Do. |
| Lenahan, Manus | do | do | do | 15939-A | Do. |
| McElwee, Daniel | do | do | do | 15937-A | Do. |
| Matthews, George | Swoyersville | do | Forty Fort Coal Co | 9758 | April, 1915. |
| Saltis, George | do | do | do | 9760 | Do. |
| McGovern, P. E | Warrior Run | do | Associated Companies. | 16940-A | May, 1916. |
| Barrett, J. J | Wyoming | do | Mount Lookout Coal Co. | 11507 | June, 1915. |
| Moss, W. A | do | do | do | 11505 | Do. |
| Nuss, C. E | do | do | do | 11501 | Do. |
| Searfoss, N. A | do | do | do | 11500 | Do. |
| Ward, Condy | do | do | do | 11503 | Do. |
| Lee, E. C | Stroudsburgh | Monroe | Mining engineer, Illinois Miners and Mechanics Institute. | 11907-A | September, 1915. |
| Cooner, J. D | Watsontown | Northumberland. | Student, State University. | 13906-A | December, 1915. |
| Faust, G. C | Pottsville | Schuylkill | do | 13904-A | Do. |
| Berkey, Louis | Acosta | Somerset | Consolidation Coal Co. | 13160-A | November, 1915. |
| Carr, Thomas | do | do | do | 13156-A | Do. |
| Davis, J. O | do | do | do | 13153-A | Do. |
| Grove, R. C | do | do | do | 13155-A | Do. |
| Neff, T. C | do | do | do | 13159-A | Do. |
| Saylor, H. D | do | do | do | 13157-A | Do. |
| Shafer, S. F | do | do | do | 13152-A | Do. |
| Shaffer, J. W | do | do | do | 13151-A | Do. |
| Zimmerman, Noble | do | do | do | 13158-A | Do. |
| Zimmerman, R. B | do | do | do | 13154-A | Do. |
| Commons, Charles | Boswell | do | Merchants Coal Co | 12842-A | October, 1915. |
| Grill, John | do | do | do | 12846-A | Do. |
| Horner, Herbert | do | do | do | 12847-A | Do. |
| Lancaster, Edward | do | do | do | 12843-A | Do. |
| Myers, Lester | do | do | do | 12848-A | Do. |
| Pinko, Michael | do | do | do | 12844-A | Do. |
| Roberts, Archie | do | do | do | 12849-A | Do. |
| Snoeberger, I. C | do | do | do | 12840-A | Do. |
| Swoope, G. F | do | do | do | 12845-A | Do. |
| Turner, C. E | do | do | do | 12841-A | Do. |
| Brown, Orin J | Hooversville | do | Federal Coal Co | 13198-A | November, 1915 |
| Helpit, George | do | do | Knickerbocker Smokeless Coal Co. | 13196-A | Do. |
| Hershberger, J. E | do | do | Baker Whiteley Coal Co. | 13193-A | Do. |
| King, Charles | do | do | Knickerbocker Smokeless Coal Co. | 13195-A | Do. |
| Lengel, Joe | do | do | Somerset Coal Mng. Co | 13200-A | Do. |
| Linck, H. B | do | do | Knickerbocker Smokeless Coal Co. | 13197-A | Do. |
| Long, S. W | do | do | do | 13199-A | Do. |
| Playez, George | do | do | Somerset Mng. Co | 13194-A | Do. |
| Storey, H. O | do | do | do | 13192-A | Do. |
| Boyle, Thomas | Jenners | do | Consolidation Coal Co. | 13148-A | Do |
| Byron, John | do | do | do | 13141-A | Do |
| Greig, James | do | do | do | 13144-A | Do. |
| Lindsay, John | do | do | do | 13145-A | Do. |
| McIntyre, Claud | do | do | do | 13147-A | Do. |
| Mumper, C. W | do | do | do | 13143-A | Do. |
| Sanner, T. S | do | do | do | 13149-A | Do. |
| Schleger, Fred | do | do | do | 13146-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Thomas, Arthur | Jenners | Somerset | Consolidation Coal Co. | 13150-A | November, 1915. |
| Willis, Joseph | do | do | do | 13142-A | Do. |
| Bowman, H. L | Jerome | do | Jenner Quemahoning Coal Co. | 13771-A | Do. |
| Brown, W. H | do | do | do | 13767-A | Do. |
| Calverley, Samuel | do | do | Young Men's Christian Assn., Harrisburg, Pa. | 13622-A | Do. |
| Cole, R. W | do | do | Jenner Quemahoning Coal Co. | 13617-A | Do. |
| Fischer, A. C | do | do | do | 13773-A | Do. |
| Gunter, A. C | do | do | do | 13620-A | Do. |
| Hall, A. A | do | do | do | 13621-A | Do. |
| Hall, Arthur | do | do | do | 13768-A | Do. |
| Jones, W. H | do | do | do | 13616-A | Do. |
| Keim, H. A | do | do | do | 13775-A | Do. |
| Kifer, Alonzo | do | do | do | 13615-A | Do. |
| Lohr, C. H | do | do | do | 13618-A | Do. |
| May, N. L | do | do | do | 13613-A | Do. |
| Price, William | do | do | do | 13614-A | Do. |
| Rafferty, John | do | do | do | 13612-A | Do. |
| Ramsell, W. A | do | do | do | 13770-A | Do. |
| Robine, R. L | do | do | do | 13619-A | Do. |
| Southwell, Charles | do | do | do | 13769-A | Do. |
| Truax, J. C | do | do | do | 13766-A | Do. |
| Walker, C. E | do | do | do | 13772-A | Do. |
| Ward, Harry | do | do | do | 13774-A | Do. |
| Barnhart, Elmer | Myersdale | do | Consolidation Coal Co. | 13911-A | December, 1915. |
| Barnhart, Norman | do | do | do | 13915-A | Do. |
| Beynon, Clay | do | do | do | 13914-A | Do. |
| Black, John | do | do | do | 13916-A | Do. |
| Bongard, George | do | do | do | 13912-A | Do. |
| Campbell, J. S | do | do | do | 13910-A | Do. |
| Campbell, William | do | do | do | 14057-A | Do. |
| Fike, Jonas | do | do | do | 13917-A | Do. |
| Hoer, Zedekiah | do | do | do | 14053-A | Do. |
| Keegan, Michael | do | do | do | 13918-A | Do. |
| Lininger, H. S | do | do | do | 14055-A | Do. |
| Michael, Oscar | do | do | do | 14056-A | Do. |
| Smith, Edgell | do | do | do | 13913-A | Do. |
| Spence, R. H | do | do | do | 13909-A | Do. |
| Wardlow, Robert | do | do | do | 14054-A | Do. |
| Abrams, W. H | Windber | do | Berwind-White Coal Mng. Co. | 7412-A | September, 1914. |
| McFeely, Fred B | do | do | do | 7414-A | Do. |
| Sheader, Joseph | do | do | do | 7413-A | Do. |
| Watson, Alexander | do | do | do | 7411-A | Do. |
| Chapman, George | Bernice | Sullivan | Connell Anthracite Mng. Co. | 14710-A | January, 1916. |
| Hannon, Edward | Mildred | do | do | 14711-A | Do. |
| Hoffa, J. W | do | do | do | 14709-A | Do. |
| Lynch, F. M | do | do | do | 14707-A | Do. |
| Weed, Harry | do | do | do | 14708-A | Do. |
| Bertsche, Arnold, jr. | Antrim | Tioga | Fall Brook Coal Co. | 14410-A | Do. |
| Coupe, G. A | do | do | do | 14412-A | Do. |
| Coupe, Percy | do | do | do | 14408-A | Do. |
| Czerneski, F. P | do | do | do | 14406-A | Do. |
| Frawley, J. J | do | do | do | 14411-A | Do. |
| Ketchum, Russell | do | do | do | 14413-A | Do. |
| Mencing, Joseph | do | do | do | 14414-A | Do. |
| Muncaster, John | do | do | do | 14405-A | Do. |
| Peterson, Andrew | do | do | do | 14403-A | Do. |
| Scott, Alfred | do | do | do | 14409-A | Do. |
| Stenberg, John, jr. | do | do | do | 14407-A | Do. |
| Wilson, Harry | do | do | do | 14404-A | Do. |
| Gilroy, Paul | Morris Run | do | Morris Run Coal Mng. Co. | 8742-A | January, 1915. |
| Guy, Adam | do | do | do | 8745-A | Do. |
| Guy, A. W | do | do | do | 8741-A | Do. |
| Hall, E. J | do | do | do | 8744-A | Do. |
| Thiemann, J. C | do | do | do | 8743-A | Do. |
| Shilling, F. J | Bentleyville | Washington | Associated Companies. | 16228-A | April, 1916. |
| McQuade, P. J | Burgettstown | do | Pittsburgh & Erie Coal Co. | 17061-A | May, 1916. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Bucenely, V. F. | Ellsworth | Washington | Ellsworth Collieries Co. | 12363-A | October, 1915. |
| Bytheway, J. G. | do | do | do | 7621-A | September, 1915. |
| Cooper, M. D. | do | do | do | 7625-A | February, 1915. |
| Kilonsky, F. D. | do | do | do | 12365-A | October, 1915. |
| Krull, Andrew | do | do | do | 12364-A | Do. |
| McCauley, J. H. | do | do | do | 7641-A | September, 1915. |
| McNulty, P. J. | do | do | do | 12700-A | October, 1915. |
| Miller, C. A. | do | do | do | 12362-A | Do. |
| Morgan, T. P. | do | do | do | 12360-A | Do. |
| Smith, D. A. | do | do | do | 12361-A | Do. |
| Welling, S. R. | do | do | do | 7628-A | September, 1915. |
| Williams, Joseph | do | do | do | 7627-A | Do. |
| Bowles, John W. | Finleyville | do | Ocean Accident & Guarantee Co. | 14739-A | January, 1916. |
| Ondako, Jacob | Joffre | do | do | 16232-A | Do. |
| Boynes, Albert | Midway | do | Carnegie Coal Co. | 16234-A | April, 1916. |
| Patterson, J. S. | Monongahela | do | Pittsburgh Coal Co. | 7794-A | October, 1914. |
| Garlow, L. L. | Arona | Westmoreland | Keystone Coal & Coke Co. | 17090 | May, 1916. |
| Adams, Michael | Darragh | do | do | 17077 | Do. |
| Beacom, R. Z. | do | do | do | 17089 | Do. |
| Bytheway, Edward | do | do | do | 17096 | Do. |
| Connor, P. M. | do | do | do | 17097 | Do. |
| Daily, Charles | do | do | do | 17091 | Do. |
| Duncan, Alexander | do | do | do | 17087 | Do. |
| Harrison, Ralph | do | do | do | 17095 | Do. |
| Knight, H. T. | do | do | do | 17088 | Do. |
| McMahon, James | do | do | do | 17094 | Do. |
| Nisbet, James | do | do | do | 17092 | Do. |
| Smith, Thomas | do | do | do | 17098 | Do. |
| Wagner, George | do | do | do | 17093 | Do. |
| Boley, Peter | Greensburg | do | do | 17113 | Do. |
| Bush, M. W. | do | do | Inspector of locks and dams, U. S. War Department. | 10376 | May, 1915. |
| Butterfield, G. B. | do | do | Associated Companies. | 15941-A | March, 1916. |
| Connor, William | do | do | Keystone Coal & Coke Co. | 17115 | May, 1916. |
| Dawson, J. C. | do | do | do | 17107 | Do. |
| Duncan, James | do | do | do | 17114 | Do. |
| Glancy, John | do | do | do | 17112 | Do. |
| Henderson, W. E. | do | do | do | 17117 | Do. |
| Hohn, Harry | do | do | do | 17106 | Do. |
| Howell, E. J. | do | do | do | 17105 | Do. |
| Hutchinson, G. W. | do | do | do | 17119 | Do. |
| Kistler, C. D. | do | do | do | 17110 | Do. |
| Kistler, J. E. | do | do | do | 17104 | Do. |
| Kurtz, Jacob | do | do | do | 17109 | Do. |
| Nisbet, Robert | do | do | do | 17111 | Do. |
| Nisbet, William | do | do | do | 17118 | Do. |
| Painter, J. F. | do | do | do | 17108 | Do. |
| Schultheis, George | do | do | do | 17116 | Do. |
| Bytheway, C. H. | Herminie | do | Keystone Coal & Coke Co. | 17086 | Do. |
| Cadzow, John | do | do | do | 17078 | Do. |
| Maschlinsky, George | do | do | do | 17085 | Do. |
| Morris, J. G. | do | do | do | 17080 | Do. |
| Shopsky, Martin | do | do | do | 17076 | Do. |
| Stein, J. N. | do | do | do | 17079 | Do. |
| Taylor, H. E. | do | do | do | 17075 | Do. |
| Bedale, F. E. | Mount Pleasant. | do | H. C. Frick Coke Co. | 11258-A | June, 1915. |
| Dygne, John | New Alexandria. | do | Keystone Coal & Coke Co. | 17099 | May, 1916. |
| Hudak, Steven | do | do | do | 17103 | Do. |
| Laughlin, W. W. | do | do | do | 17100 | Do. |
| McCutcheon, J. H. | do | do | do | 17101 | Do. |
| McDonald, jr., Walter. | do | do | do | 17102 | Do. |
| Falchetti, Charles | Rillton | do | Westmoreland Coal Co. | 11335-A | June, 1915. |
| Futscher, J. A. | do | do | do | 11334-A | Do. |
| Milko, Walter | do | do | do | 11333-A | Do. |
| Pokorney, Raymond. | do | do | do | 11336-A | Do. |
| Brennen, G. K. | Scottdale | do | do | 13929-A | December, 1915. |

SOUTH DAKOTA.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Ayer, C. L. | Lead | Lawrence | Homestake Mng. Co. | 13165-A | November, 1915. |

TENNESSEE.

| | | | | | |
|---|---|---|---|---|---|
| Hutson, W. T. | Coal Creek | Anderson | Coal Creek Coal Co. | 2127-A | November, 1915. |
| Barnwell, C. E. | Pruden | Claiborne | Pruden Coal Co. | 10164-A | May, 1915. |
| Bates, J. E. | do. | do. | do. | 10166-A | Do. |
| Burgan, Charles | do. | do. | do. | 10170-A | Do. |
| Coley, T. C. | do. | do. | do. | 10172-A | Do. |
| Cross, W. B. | do. | do. | do. | 10168-A | Do. |
| Griffith, C. A. | do. | do. | do. | 10165-A | Do. |
| Powers, Jesse | do. | do. | do. | 10167-A | Do. |
| Quintrell, Clay | do. | do. | do. | 10169-A | Do. |
| Spee-s, R. C. | do. | do. | do. | 10171-A | Do. |
| Wilkins, E. E. | do. | do. | do. | 10173-A | Do. |
| Winchester, Dorsey | do. | do. | do. | 10163-A | Do. |
| Blakey, D. T. | Knoxville | Knox | Mechanical engineer | 8839 | February, 1915. |
| Morton, A. T. | do. | do. | American Zinc Co. | 16246-A | April, 1916. |
| Boseman, R. A. | Mascot | do. | do. | 16243-A | Do. |
| Disney, Robert | do. | do. | do. | 16244-A | Do. |
| Kirby, J. H. | do. | do. | do. | 16247-A | Do. |
| Wolfe, R. E. | do. | do. | do. | 16245-A | Do. |
| Barnes, Frank | Whitwell | Marion | Tennessee Coal, Iron & R. R. Co. | 12397 | October, 1915. |
| Graham, Mike | do. | do. | do. | 12396 | Do. |
| Meagher, W. A. | do. | do. | do. | 12394 | Do. |
| Peterson, Isaac | do. | do. | do. | 12393 | Do. |
| Smith, W. T. | do. | do. | do. | 12395 | Do. |
| Powell, W. J. | Rockwood | Roane | Knox Mng. Co. | 10141 | April, 1915. |
| Pressley, J. E. | do. | do. | do. | 9742 | Do. |
| Tauscher, W. R. | do. | do. | do. | 10140 | Do. |

TEXAS.

| | | | | | |
|---|---|---|---|---|---|
| Baird, Oscar | Bridgeport | Wise | Bridgeport Coal Co. | 747-A | May, 1915. |
| Hamilton, A. G. | New Castle | Young | Belknap Coal Co. | 335-A | Do. |

UTAH.

| | | | | | |
|---|---|---|---|---|---|
| Anderson, Al. | Black Hawk | Carbon | Black Hawk Coal Co. | 10124 | April, 1915. |
| Brown, F. R. | do. | do. | do. | 10066-A | Do. |
| Buffmire, Gus | do. | do. | do. | 10067-A | Do. |
| Carpenter, E. L. | do. | do. | do. | 7802-A | October, 1914. |
| Carpenter, J. R. | do. | do. | do. | 7932 | Do. |
| Commons, Clarence | do. | do. | do. | 9660-A | April, 1915. |
| Crandall, N. B. | do. | do. | do. | 10126 | Do. |
| Dunham, George | do. | do. | do. | 10061-A | Do. |
| Green, W. W. | do. | do. | do. | 7931 | October, 1914. |
| Humphrey, T. G. | do. | do. | do. | 7934 | Do. |
| Hurst, John | do. | do. | do. | 7804-A | Do. |
| Johnson, E. L. | do. | do. | do. | 10062-A | April, 1915. |
| Meagher, W. L. | do. | do. | do. | 10070-A | Do. |
| Moore, William | do. | do. | do. | 7803-A | October, 1914. |
| Morrison, William | do. | do. | do. | 10125 | April, 1915. |
| O'Neil, William | do. | do. | do. | 10071-A | Do. |
| Pearson, G. W. | do. | do. | Black Hawk Fuel Co. | 7806-A | October, 1914. |
| Ramsey, George | do. | do. | Black Hawk Coal Co. | 10063-A | April, 1915. |
| Santschi, Harry | do. | do. | do. | 10072-A | Do. |
| Stokes, George | do. | do. | do. | 10064-A | Do. |
| Stokes, William | do. | do. | do. | 7933 | October, 1914. |
| Tatten, L. L. | do. | do. | do. | 10065-A | April, 1915. |
| Thomas, L. R. | do. | do. | do. | 7805-A | October, 1914. |
| Wycherley, Daniel | do. | do. | do. | 7807-A | Do. |
| Wycherley, Samuel | do. | do. | do. | 10127 | April, 1915. |
| Coombs, Sam | Carbon | do. | Panther Coal Co. | 7955-A | November, 1914. |
| Forrester, John | do. | do. | do. | 7957-A | Do. |
| Hurst, A. F. | do. | do. | do. | 7958-A | Do. |
| Richards, G. M. | do. | do. | do. | 7956-A | Do. |
| Schultz, R. J. | do. | do. | do. | 7959-A | Do. |

UTAH—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Avery, V. T., jr | Castlegate | Carbon | Utah Fuel Co | 7953-A | November, 1914. |
| Bowns, W. J | do | do | do | 7915-A | October, 1914. |
| Chambers, J. W | do | do | do | 7954-A | November, 1914. |
| Christensen, N. C | do | do | do | 7939-A | Do. |
| Cowan, J. H | do | do | do | 7945-A | Do. |
| Curry, G. P | do | do | do | 7952-A | Do. |
| Dunn, G. E | do | do | do | 7940-A | Do. |
| Henderson, R. J | do | do | do | 7944-A | Do. |
| Hreinson, J. S | do | do | do | 7950-A | Do. |
| Jones John | do | do | do | 7943-A | Do. |
| Krumpester, Lucas | do | do | do | 8101 | January, 1915. |
| Lakatos, James | do | do | do | 8099 | Do. |
| Lakin, James | do | do | do | 7947-A | November, 1914. |
| Mather, W. H | do | do | do | 7921-A | October, 1914. |
| Ramage, John | do | do | do | 7942-A | November, 1914. |
| Rudeen, F. W | do | do | do | 7916-A | October, 1914. |
| Sherfick, L. O | do | do | do | 7946-A | November, 1914. |
| Smith, John | do | do | do | 8100 | January, 1915. |
| Taylor, Leonard | do | do | do | 7951-A | November, 1914 |
| Vance, G. F. B | do | do | do | 7938-A | Do. |
| Young, W. S | do | do | do | 7948-A | Do. |
| Wallace, G. W | do | do | do | 7941-A | Do. |
| Wardell, A. A | do | do | do | 7949-A | Do. |
| Courdin, Eli | Clear Creek | do | do | 8679-A | January, 1915. |
| Erkkila, John | do | do | do | 8136-A | Do. |
| Gunderson, Levi | do | do | do | 8632-A | Do. |
| Hill, F. C | do | do | do | 8134-A | Do. |
| Hilton, John | do | do | do | 8175-A | February, 1915. |
| Kane, Henry | do | do | do | 8137-A | January, 1915. |
| Kissell, J. W | do | do | do | 8135-A | Do. |
| Livsey, William | do | do | do | 8678-A | Do. |
| Pollitt, Walter | do | do | do | 8681-A | Do. |
| Strate, Abraham | do | do | do | 8683-A | Do. |
| Tootill, Joseph | do | do | do | 8680-A | Do. |
| Butler, Milton | Hiawatha | do | Consolidated Fuel Co | 7559 | September, 1914. |
| Butler, William | do | do | do | 7799-A | October, 1914. |
| Farrimond, Richard | do | do | do | 7561 | September, 1914. |
| Goodart, Gus | do | do | do | 7912-A | October, 1914. |
| Hainsworth, Samuel | do | do | do | 7798-A | Do. |
| Higinbotham, B | do | do | do | 7801-A | October, 1914. |
| Hinkins, Bruce | do | do | do | 7563 | September, 1914. |
| Howa, Moses | do | do | do | 10068-A | April, 1915. |
| Hughes, George | do | do | do | 7557 | September, 1914. |
| Jones, E. E | do | do | do | 7914-A | October, 1914. |
| Johnson, Gus | do | do | do | 7564 | September, 1914. |
| Johnson, Maurice | do | do | do | 7562 | Do. |
| Kondar, Antony | do | do | do | 10069-A | April, 1915. |
| Lamph, W. L | do | do | do | 7800-A | October, 1914. |
| Lewis, Melvin | do | do | do | 7558 | September, 1914. |
| Radich, Martin | do | do | do | 7509 | Do. |
| Sanderson, H. H | do | do | do | 7913-A | October, 1914. |
| Smodey, Frank | do | do | do | 10073-A | April, 1915. |
| Stanley, J. O | do | do | do | 7797-A | October, 1914. |
| Thomas, Matthew | do | do | do | 7560 | September, 1914. |
| Wilson, James | do | do | do | 7508 | Do. |
| Blackham, Charles | Kenilworth | do | Independent Coal & Coke Co. | 7844-A | October, 1914. |
| Ewzicx, John | do | do | do | 7845-A | Do. |
| Howard, Hamlet | do | do | do | 7918-A | Do. |
| Marsh, Arthur | do | do | do | 7923-A | Do. |
| Moffitt, Bryant | do | do | do | 7843-A | Do. |
| Parr, Joseph | do | do | do | 7920-A | Do. |
| Rossi, Antonio | do | do | do | 7937 | Do. |
| Rossi, Frank | do | do | do | 7936 | Do. |
| Rothwell, William | do | do | do | 7919-A | Do. |
| Anderson, John | Standardville | do | Standard Coal Co | 7849-A | Do. |
| Easterbrook, A | do | do | do | 7846-A | Do. |
| Jones, Titus | do | do | do | 7847-A | Do. |
| Jones, W. W | do | do | do | 7848-A | Do. |
| Webb, A. P | do | do | do | 7850-A | Do. |
| Booth, Thomas | Storrs | do | Spring Canon Coal Co | 7851-A | Do. |
| Curtis, R. P | do | do | do | 7852-A | Do. |
| Davis, Bert | do | do | do | 7858-A | Do. |
| Davis, Roy | do | do | do | 7820-A | Do. |
| Gibson A. E | do | do | do | 7935 | Do. |
| Haddows, John | do | do | do | 7853-A | Do. |
| Harrison, John | do | do | do | 7856-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Riechert, Otto | Storrs | Carbon | Spring Cannon Coal Co. | 7859-A | October, 1914. |
| Sellers, J. B | do | do | do | 7854-A | Do. |
| Short, S. H | do | do | do | 7855-A | Do. |
| Thomas, F. P | do | do | do | 7857-A | Do. |
| Cowley, Claude | Sunnyside | do | Utah Fuel Co | 7526-A | September, 1914. |
| Cowley, Samuel | do | do | do | 7531-A | Do. |
| Golovick, Mark | do | do | do | 7533-A | Do. |
| Kenner, Bailey | do | do | do | 7524-A | Do. |
| Johnson, James T | do | do | do | 7532-A | Do. |
| Littlejohn, J. W | do | do | do | 7917-A | October, 1914. |
| Lloyd, Ernest | do | do | do | 7523-A | September, 1914. |
| Mills, John | do | do | do | 7528-A | Do. |
| Powell, Clarence | do | do | do | 7525-A | Do. |
| Stobbs, Joseph H | do | do | do | 7530-A | Do. |
| Thorpe, James | do | do | do | 7527-A | Do. |
| Turner, John | do | do | do | 7529-A | Do. |
| Haddow, John | Utah mine | do | do | 8687-A | January, 1915. |
| Hartley, George | do | do | do | 8685-A | Do. |
| Moehle, Charles | do | do | do | 8686-A | Do. |
| Ostlund, Emil | do | do | do | 8688 | Do. |
| Ruff, W. E | do | do | do | 8684-A | Do. |
| Wilde, David | do | do | do | 8689-A | Do. |
| Antozak, Valentine | Winterquarters | do | do | 7988-A | December, 1914. |
| Biggs, Thomas, jr | do | do | do | 7985-A | Do. |
| Clark, G. H | do | do | do | 7989-A | Do. |
| Davis, David | do | do | do | 7997 | Do. |
| Davis, T. B | do | do | do | 7998 | Do. |
| Duckworth, John | do | do | do | 7983-A | November, 1914. |
| Etzel, Ramon | do | do | do | 7986-A | December, 1914. |
| Gilbert, V. E | do | do | do | 7993-A | Do. |
| Hall, Harry | do | do | do | 7991-A | Do. |
| Hall, James | do | do | do | 7984-A | November, 1914. |
| Hainsworth, Alfred | do | do | do | 7975-A | Do. |
| Harvey, Samuel | do | do | do | 7990-A | December, 1914. |
| Harvey, Stanley | do | do | do | 7992-A | Do. |
| Johnson, E. H | do | do | do | 7995 | Do. |
| Morton, Allie | do | do | do | 7996 | Do. |
| Newren, Alfred | do | do | do | 7987-A | Do. |
| Parmley, David | do | do | do | 7994 | Do. |
| Patterson, N. J | do | do | do | 7982-A | November, 1914. |
| Potter, Noah | do | do | do | 7980-A | Do. |
| Ruff, J. H | do | do | do | 7976-A | Do. |
| Simpson, Horace | do | do | do | 7979-A | Do. |
| Stone, R. J | do | do | do | 7981-A | Do. |
| Thorpe, John | do | do | do | 7978-A | Do. |
| Usher, George | do | do | do | 7977-A | Do. |
| Benedict, Bart | Mohrland | Emery | Castle Valley Coal Co | 7816-A | October, 1914. |
| Brennan, Harry | do | do | do | 7817-A | Do. |
| Farrimond, Spencer | do | do | do | 7922-A | Do. |
| Garvey, M. L | do | do | do | 7819-A | Do. |
| Grundvig, S. F | do | do | do | 7808-A | Do. |
| Harmon, C. H | do | do | do | 7815-A | Do. |
| Johnson, G. G | do | do | do | 7809-A | Do. |
| Jones, Frank | do | do | do | 7812-A | Do. |
| Leavitt, C. L | do | do | do | 7818-A | Do. |
| Miller, G. S | do | do | do | 7810-A | Do. |
| Stirratt, A. G | do | do | do | 7811-A | Do. |
| Wallaner, Oscar | do | do | do | 7813-A | Do. |
| Widetich, J. P | do | do | do | 7814-A | Do. |
| Chelmes, James | Neslen | Grand | American Fuel Co | 7536-A | September, 1914. |
| Darke, William | do | do | do | 7545-A | Do. |
| DeJulio, Baptisto | do | do | do | 7534-A | Do. |
| Grandinitti, Joseph | do | do | do | 7539-A | Do. |
| Henderson, H. M | do | do | do | 7542-A | Do. |
| Hillabrant, J. W | do | do | do | 7543-A | Do. |
| Jacobi, J. J | do | do | do | 7544-A | Do. |
| Proffitt, W. L | do | do | do | 7540-A | Do. |
| Robbins, J. F | do | do | do | 7535-A | Do. |
| Seevers, E. H | do | do | do | 7541-A | Do. |
| Shontz, F. A | do | do | do | 7538-A | Do. |
| Ueno, Iwajiro | do | do | do | 7546-A | Do. |
| Wallace, C. J | do | do | do | 7537-A | Do. |
| Brandt, George | Eureka | Juab | Bullion & Beck Mng. Co. | 8955 | February, 1915. |
| Fitch, Walter, jr | do | do | Chief Consol. Mng. Co. | 8956 | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Hellon, Richard | Eureka | Juab | Chief Consol. Mng. Co. | 8957 | February, 1915. |
| Inch, W. H | do | do | do | 8959-A | Do. |
| Johnson, J. F | do | do | do | 8960 | Do. |
| McClain, H. E | do | do | Centennial Eureka Mng. Co. | 8961-A | Do. |
| McCoy, Edward | do | do | Chief Consol. Mng. Co | 8962 | Do. |
| Mills, David | do | do | Gemini Mining Co | 8963-A | Do. |
| Schmidt, F. O | do | do | Eagle & Blue Bell Mng. Co. | 8964-A | Do. |
| Seybold, E. J | do | do | do | 8965-A | Do. |
| Soderman, Ed | do | do | Centennial Eureka Mng. Co. | 8967-A | Do. |
| Walker, W. M | do | do | Tintic Central Mng. Co. | 8969-A | Do. |
| Wickham, Carl | do | do | Centennial Eureka Mng. Co. | 8970-A | Do. |
| Youngstrom, J. E | do | do | Gemini Mng. Co | 8971 | Do. |
| Holladay, I. C | Knightville | do | Iron Blossom Mng. Co. | 8958 | Do. |
| Shipp, J. S | do | do | do | 8966 | Do. |
| Sylvester, Ralph | do | do | do | 8968-A | Do. |
| Armstrong, William | Bingham | Salt Lake | Utah Copper Co | 11406-A | June, 1915. |
| Anderson, L. W | do | do | do | 11405-A | Do. |
| Atcheston, Leo | do | do | Utah Apex Mining Co. | 11344-A | Do. |
| Barnett, L. E | do | do | Utah Copper Co | 11516 | Do. |
| Canfield, John, jr | do | do | do | 11407-A | Do. |
| Canfield, T. J | do | do | do | 11408-A | Do. |
| Clays, Roy | do | do | Utah Apex Mining Co. | 11525 | Do. |
| Cluff, Fred | do | do | Bingham New Haven Mng. Co. | 11524 | Do. |
| Dobbs, L. R | do | do | Utah Apex Mining Co. | 11343-A | Do. |
| Emms, E. V | do | do | do | 11342-A | Do. |
| Forlin, C. B | do | do | Bingham New Haven Mng. Co. | 11523 | Do. |
| Gillan, William | do | do | Utah Apex Mining Co. | 11339-A | Do. |
| George, Albert | do | do | Utah Copper Co | 11402-A | Do. |
| Greathouse, C. W | do | do | Utah Apex Mining Co. | 11338-A | Do. |
| Golosh, Pete | do | do | Bingham New Haven Mng. Co. | 11522 | Do. |
| Guiteras, J. R | do | do | do | 11521 | Do. |
| Jacobs, H. M | do | do | United States Mng. Co. | 11512 | Do. |
| Johnson, C. E | do | do | Utah Consol. Mng. Co. | 11341-A | Do. |
| Larrick, A. C | do | do | Utah Copper Co | 11513 | Do. |
| Makinen, J. J | do | do | Bingham New Haven Mng. Co. | 11520 | Do. |
| Murray, Frank | do | do | Utah Copper Co | 11409-A | Do. |
| Nielson, Senius | do | do | Utah Consol. Mng. Co. | 11337-A | Do. |
| O'Brien, Dr. B. S | do | do | Utah Copper Co | 11410-A | Do. |
| Parr, S. T | do | do | Bingham New Haven Mng. Co. | 11518 | Do. |
| Phoenix, J. R | do | do | Utah Copper Co | 11517 | Do. |
| Schilling, J. D., jr | do | do | do | 11411-A | Do. |
| Shaw, Richard | do | do | United States Mng. Co. | 11412-A | Do. |
| Shilling, Roy | do | do | Utah Copper Co | 11514 | Do. |
| Steele, Jackson | do | do | Boston Consol. Mng. Co. | 11413-A | Do. |
| Steele, John | do | do | Utah Copper Co | 11403-A | Do. |
| Stewart, W. C | do | do | Utah Consol. Mng. Co. | 11519 | Do. |
| Sullivan, E. G | do | do | Utah Copper Co | 11414-A | Do. |
| Thomas, Russell | do | do | United States Mng. Co. | 11415-A | Do. |
| Walker, E. H | do | do | Utah Copper Co | 11515 | Do. |
| Wardlaw, F. A., jr | do | do | Utah Consol. Mng. Co. | 11340-A | Do. |
| Wilson, Thomas | do | do | Utah Copper Co | 11404-A | Do. |
| Karrick, L. C | Salt Lake City | do | Student, University of Utah. | 8873-A | February, 1915. |
| Lewis, R. S | do | do | Professor of mining, University of Utah. | 8874-A | Do. |
| McArthur, W. E | do | do | Student, University of Utah. | 8875-A | Do. |
| Pickett, C. E | do | do | do | 8876-A | Do. |
| Robinson, William | do | do | International Smelting Co. | 9319-A | March, 1915. |
| Stott, G. F | do | do | Student, University of Utah. | 8877-A | February, 1915. |
| Yundt, L. D | do | do | do | 9320 | March, 1915. |
| Baxter, J. W | Park City | Summit | Silver King Coalition Mng. Co. | 11345-A | June, 1915. |
| Gasparac, George | do | do | do | 11346-A | Do. |

UTAH—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Lindeborg, W. J. | Park City | Summit | Daly-Judge Mng. Co. | 11347-A | June, 1915. |
| McCarroll, G. T. | do | do | Silver King Coalition Mng. Co. | 11352-A | Do. |
| McPhee, Lee | do | do | do | 11353-A | Do. |
| Madick, Joseph | do | do | Daly-Judge Mng. Co. | 11349-A | Do. |
| Mitchell, John | do | do | Silver King Coalition Mng. Co. | 11348-A | Do. |
| Moetswitz, William | do | do | Daly-Judge Mng. Co. | 11350-A | Do. |
| Nelson, J. H. | do | do | do | 11351-A | Do. |
| O'Neill, P. G | do | do | Silver King Coalition Mng. Co. | 11354-A | Do. |
| Ryan, A. P. | do | do | do | 11356-A | Do. |
| Ryan, William | do | do | do | 11355-A | Do. |
| Savage, Herbert | do | do | Daly-Judge Mng. Co. | 11358-A | Do. |
| Sullivan, L. F. | do | do | Silver King Coalition Mng. Co. | 11357-A | Do. |
| Worel, Otto | do | do | Daly-Judge Mng. Co. | 11359-A | Do. |
| Crary, H. H. | Tooele | Tooele | International Smtg. Co. | 9270-A | May, 1915. |

VIRGINIA.

| | | | | | |
|---|---|---|---|---|---|
| King, G. W. | Keokee | Lee | Stonega Coal & Coke Co. | 9738-A | April, 1915. |
| Mills, J. C. | do | do | do | 9734-A | Do. |
| Misner, Carl H. | do | do | do | 9735-A | Do. |
| Polly, B. E. | do | do | do | 9737-A | Do. |
| Taggart, J. K. | do | do | do | 9736-A | Do. |
| Driskill, D. E. | Leona mines | do | Virginia Iron, Coal & Coke Co. | 8829 | February, 1915. |
| Hayes, T. C. | do | do | do | 8833 | Do. |
| Shell, W. H. | do | do | do | 8830 | Do. |
| Topolski, John | do | do | do | 8831 | Do. |
| Wiley, Potter | do | do | do | 8832 | Do. |
| Green, Emmett | Pennington Gap. | do | Black Mountain Mining Co. | 8838 | Do. |
| Clutts, B. F. | St. Charles | do | Black Mountain Coal Co. | 8837 | Do. |
| Cooper, J. J. | do | do | United Collieries Co. | 9030-A | Do. |
| Denton, W. T. | do | do | Black Mountain Coal Co. | 8836 | Do. |
| McBrayer, H. M. | do | do | United Colieries Co. | 9033-A | Do. |
| McVey, Dan | do | do | do | 9032-A | Do. |
| Miller, Will | do | do | Black Mountain Coal Co. | 8835 | Do. |
| Ramsey, G. M. | do | do | United Collieries Co. | 9034-A | Do. |
| Tucker, W. A. | do | do | Black Mountain Coal Co. | 8834 | Do. |
| Warwaruk, J. A. | do | do | United Collieries Co. | 9031-A | Do. |
| Ashbrook, Clayton | Clinchfield | Russell | Clinchfield Coal Co. | 15831-A | March, 1916. |
| Browning, Harvey | do | do | do | 15829-A | Do. |
| Dudley, Thos. | do | do | do | 15828-A | Do. |
| Richards, Frank | do | do | do | 15830-A | Do. |
| Allen, George | Dante | do | do | 14938-A | February, 1916. |
| Beaver, H. S. | do | do | do | 14942-A | Do. |
| Canipe, C. L. | do | do | do | 14949-A | Do. |
| Cassell, W. C. | do | do | do | 14943-A | Do. |
| Castle, J. H. | do | do | do | 14946-A | Do. |
| Conley, J. B. | do | do | do | 14947-A | Do. |
| Crowder, C. E. | do | do | do | 14935-A | Do. |
| Domby, Steve | do | do | do | 14940-A | Do. |
| Kasefang, Will | do | do | do | 14944-A | Do. |
| Morefield, Charles | do | do | do | 14937-A | Do. |
| Pickering, W. R. | do | do | do | 14936-A | Do. |
| Simpson, F. W. | do | do | do | 14941-A | Do. |
| Stickley, W. H. | do | do | do | 14945-A | Do. |
| Stone, S. C. | do | do | do | 14939-A | Do. |
| Williams, S. B. | do | do | do | 14948-A | Do. |
| Allen, George | Wilder | do | do | 15658-A | March, 1916. |
| English, Jim | do | do | do | 15661-A | Do. |
| Fernie, Louie | do | do | do | 15654-A | Do. |
| Mandas, Steve | do | do | do | 15655-A | Do. |
| Megegk, Toney | do | do | do | 15659-A | Do. |

VIRGINIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issue. |
|---|---|---|---|---|---|
| Papas, Joe | Wilder | Russell | Clinchfield Coal Co | 15662-A | March, 1916. |
| Skeens, Elihu | do | do | do | 15660-A | Do. |
| Wolfe, H. B | do | do | do | 15656-A | Do. |
| Wright, T. P | do | do | do | 15657-A | Do. |
| Kilgore, G. K | Appalachia | Wise | Stonega Coal & Coke Co. | 9118-A | February, 1915. |
| Chapman, C. L | Big Stone Gap | do | do | 10059-A | April, 1915. |
| Drennen, Everett | do | do | do | 10128 | Do. |
| Peck, W. R | do | do | Fox & Peck Co | 10057-A | Do. |
| Sayers, D. B | do | do | Stonega Coal & Coke Co. | 10055-A | Do. |
| Shunk, W. C | do | do | do | 10130 | Do. |
| Southward, G. B | do | do | do | 10056-A | Do. |
| Taggart, R. E | do | do | do | 10054-A | Do. |
| Johnston, H. V | Dorchester | do | Colonial Coal & Coke Co. | 13926-A | December, 1915. |
| Robbins, Rufus A | do | do | do | 13925-A | Do. |
| Smith, Geo. E | do | do | do | 13924-A | Do. |
| Wheeler, J. A | do | do | do | 13928-A | Do. |
| Wolfenberger, R. C | do | do | do | 13927-A | Do. |
| Hurd, J. W | East Stone Gap. | do | Stonega Coal & Coke Co. | 10058-A | April, 1915. |
| Alexander, H. A | Imboden | do | Colonial Coal & Coke Co. | 10129 | Do. |
| Christian, Smith | Inman | do | Virginia Iron, Coal & Coke Co. | 10086-A | Do. |
| Lewis, Howard | do | do | do | 10090-A | Do. |
| Newton, W. E | do | do | do | 10088-A | Do. |
| Phillips, J. M | do | do | do | 10089-A | Do. |
| Shuler, Palmer | do | do | do | 10087-A | Do. |
| Gibson, Will | Lyons | do | do | 14627 | January, 1916. |
| Tate, E. F | Osaka | do | Stonega Coal & Coke Co. | 9103-A | February, 1915. |
| Elliott, D. K | Pardee | do | Blackwood Coal & Coke Co. | 13903-A | December, 1915. |
| Goda, John | do | do | do | 13902-A | Do. |
| Hobbs, J. E | do | do | do | 13900-A | Do. |
| Minnix, J. B | do | do | do | 13901-A | Do. |
| Cook, William | Roda | do | Stonega Coal & Coke Co. | 9121-A | February, 1915. |
| Davison, J. B | do | do | do | 9119-A | Do. |
| Fraley, J. D | do | do | do | 9122 | Do. |
| Griffith, James E | do | do | do | 9117-A | Do. |
| Quillen, Henry H | do | do | do | 9120-A | Do. |
| Barker, P. T | Stonega | do | do | 9100-A | Do. |
| Callahan, James A | do | do | do | 9101-A | Do. |
| Duffy, C. G | do | do | do | 9099-A | Do. |
| Gloster, W. O | do | do | do | 9102-A | Do. |
| Rogers, J. D | do | do | do | 10131 | April, 1915. |
| Addams, Samuel | Toms Creek | do | Virginia Iron, Coal & Coke Co. | 14696-A | January, 1916. |
| Baldwin, A. B | do | do | do | 14695-A | Do. |
| Comer, Walter | do | do | do | 14692-A | Do. |
| Cook, J. E | do | do | do | 11526 | June, 1915. |
| Crawford, J. C | do | do | do | 11447-A | Do. |
| Damron, J. A | do | do | Clinchfield Coal Co | 15833-A | March, 1916. |
| Ellison, G. M | do | do | Virginia Iron, Coal & Coke Co. | 11527 | June, 1915. |
| Franks, J. H | do | do | do | 14415-A | January, 1916. |
| Freeman, Kelly | do | do | do | 14625 | Do. |
| Fulcher, W. E | do | do | Clinchfield Coal Co | 15836-A | March, 1916. |
| Gayness, Fred | do | do | Virginia Iron, Coal & Coke Co. | 14694-A | January, 1916. |
| Gibson, V. C | do | do | do | 11453-A | June, 1915. |
| Gibson, V. V | do | do | do | 14626 | January, 1916. |
| Hall, W. F | do | do | do | 14693-A | Do. |
| Hodge, J. D | do | do | do | 14418-A | Do. |
| Kish, John | do | do | Clinchfield Coal Co | 15834-A | March, 1916. |

VIRGINIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Linkous, F. A | Toms Creek | Wise | Virginia Iron, Coal & Coke Co. | 11452-A | June, 1915. |
| McRoberts, C. W | do | do | do | 11451-A | Do. |
| McRoberts, J. M | do | do | do | 11448-A | Do. |
| Minnick, G. K | do | do | do | 11450-A | Do. |
| Odell, W. S | do | do | Clinchfield Coal Co | 15832-A | March, 1916. |
| Pack, Chas | do | do | Virginia Iron, Coal & Coke Co. | 14416-A | January, 1916. |
| Parsons, L. P | do | do | do | 11449-A | June, 1915. |
| Parsons, R. C | do | do | do | 14419-A | January, 1916. |
| Ross, C. V | do | do | do | 14417-A | Do. |
| Sepessy, Steve | do | do | Clinchfield Coal Co | 15835-A | March, 1916. |
| Turner, T. B | do | do | Virginia Iron, Coal & Coke Co. | 11446-A | June, 1915. |

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| | | | | | |
|---|---|---|---|---|---|
| De Winter, Henry | Black Diamond. | King | Pacific Coast Coal Co | 12632-A | October, 1915. |
| McKinnon, C. L | do | do | do | 12631-A | Do. |
| Mitchell, Richard | do | do | do | 12634-A | Do. |
| Murphy, James S | do | do | do | 12635-A | Do. |
| Nute, William | do | do | do | 12633-A | Do. |
| Phillips, H. P | do | do | do | 12636-A | Do. |
| Rank, Ray | do | do | do | 12630-A | Do. |
| Baiman, Jos | Newcastle | do | do | 14426-A | January, 1916. |
| Greggs, Walter | do | do | do | 14427-A | Do. |
| Jones, W. E | do | do | do | 14425-A | Do. |
| Supansick, Arthur | do | do | do | 14424-A | Do. |
| Schofield, Geo | Redmond | do | Student | 18068 | June, 1916. |
| Boulton, H. C | Seattle | do | do | 9371-A | March, 1915. |
| Butler, N. C | do | do | do | 14423-A | January, 1916. |
| Campbell, Roy E | do | do | do | 14430-A | Do. |
| Casady, Claude | do | do | do | 9377-A | March, 1915. |
| Clulow, William | do | do | do | 7327 | August, 1914. |
| Corbitt, Marsh H | do | do | do | 11830-A | September, 1915. |
| Crocker, A. F | do | do | do | 16025 | March, 1916. |
| Dobson, P. G | do | do | do | 9364-A | March, 1915. |
| Dunn, R. I | do | do | do | 10184-A | May, 1915. |
| Flyzik, Martin J | do | do | do | 18067 | June, 1916. |
| Fowler, C. H | do | do | do | 16024 | March, 1916. |
| Fraser, G. A | do | do | do | 9367-A | March, 1915. |
| Gerhart, L. G | do | do | do | 9369-A | Do. |
| Glaeser, O. A | do | do | do | 14431-A | January, 1916. |
| Hainsworth, Wm | do | do | do | 9366-A | March, 1915. |
| Hale, H. J | do | do | do | 15432 | March, 1916. |
| Hardie, J. R | do | do | do | 10189-A | May, 1915. |
| Harlin, Robert H | do | do | do | 18065 | June, 1916. |
| Hoff, C. F | do | do | do | 9376-A | March, 1915. |
| Johnson, Charles | do | do | do | 9372-A | Do. |
| Johnson, W. W | do | do | do | 14429-A | January, 1916. |
| Jones, William F | do | do | do | 9378-A | March, 1915. |
| Kain, Frank | do | do | do | 16028 | March, 1916. |
| Knauff, Lester | do | do | do | 16029 | Do. |
| Lissner, E. Manvel | do | do | do | 10185-A | May, 1915. |
| Longfellow, H. D | do | do | do | 15430 | March, 1916. |
| McKibbin, W. B | do | do | do | 9374-A | March, 1915. |
| Meyers, F. A | do | do | do | 16026 | March, 1916. |
| Newsham, Albert E | do | do | do | 18066 | June, 1916. |
| Nightingale, W. F | do | do | do | 14428-A | January, 1916. |
| Opperman, C. J | do | do | do | 14631 | Do. |
| Osterhout, R. C | do | do | do | 15428 | March, 1916. |
| Pettys, F. E | do | do | do | 14632 | January, 1916. |
| Pigott, William | do | do | do | 14747-A | Do. |
| Polson, F. A | do | do | do | 9365-A | March, 1915. |
| Radloff, C. H | do | do | do | 16027 | March, 1916. |
| Scovell, Harold | do | do | do | 9375-A | March, 1915. |
| Slack, A. E | do | do | do | 9368-A | Do. |
| Sleep, A. F | do | do | do | 10183-A | May, 1915. |
| Smith, R. L | do | do | do | 14748-A | January, 1916. |
| Starrett, George R | do | do | do | 15431 | March, 1916. |
| Talbot, H. H | do | do | do | 14630 | January, 1916. |
| Tuck, C. M | do | do | do | 10190-A | May, 1915. |
| Wenzler, John | do | do | do | 10188-A | Do. |
| Whittier, W. H | do | do | do | 9373-A | March, 1915. |
| Wilcox, Glen | do | do | do | 10191-A | May, 1915. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Will, E. C. | Seattle | King | Student | 9370-A | March, 1915. |
| Williams, C. H. | do | do | do | 15429 | March, 1916. |
| Wilson, A. S. | do | do | do | 14749-A | January, 1916. |
| Brown, Josiah | Cle-Elum | Kittitas | Northwestern Improvement Co. | 11280-A | June, 1915. |
| Fisher, James | do | do | do | 11278-A | Do. |
| Hind, Matt | do | do | do | 11277-A | Do. |
| Little, Joseph | do | do | do | 11281-A | Do. |
| Nunn, Chas | do | do | do | 11279-A | Do. |
| Picatta, Joseph | do | do | do | 11285-A | Do. |
| Zilli, Charles | do | do | do | 11282-A | Do. |
| Cigliana, J. C. | Ronald | do | Roslyn Cascade Coal Co. | 11269-A | Do. |
| Clark, William | do | do | Roslyn Fuel Coal Co. | 11260-A | Do. |
| Methven, J. S. | do | do | do | 11267-A | Do. |
| Ryczek, T. A. | do | do | Roslyn Cascade Coal Co. | 11272-A | Do. |
| Shaw, Samuel | do | do | Roslyn Fuel Coal Co. | 11261-A | Do. |
| Spears, William | do | do | do | 11268-A | Do. |
| Thompson, James | do | do | do | 11263-A | Do. |
| Wurtz, Car | do | do | do | 11262-A | Do. |
| Anderson, Charles | Roslyn | do | Northwestern Improvement Co. | 7329 | August, 1914. |
| Ash, James | do | do | Roslyn Cascade Coal Co. | 11270-A | June, 1915. |
| Bianco, Fred | do | do | Roslyn Fuel Coal Co. | 11266-A | Do. |
| Bierman, James | do | do | do | 11259-A | Do. |
| Bowden, Edward, jr | do | do | Northwestern Improvement Co. | 7328 | August, 1914. |
| Claghorn, D. M. | do | do | Roslyn Fuel Coal Co. | 11283-A | June, 1915. |
| Dean, Andrew | do | do | Northwestern Improvement Co. | 11276-A | Do. |
| Farrington, James | do | do | Roslyn Fuel Coal Co. | 11265-A | Do. |
| Farrington, William | do | do | Northwestern Improvement Co. | 11257 | Do. |
| Heathcock, John, jr. | do | do | do | 11274-A | Do. |
| Hooper, William | do | do | do | 11286-A | Do. |
| Lloyd, M. L. | do | do | do | 7324-A | August, 1914. |
| Mayer, Ralph W. | do | do | do | 11275-A | June, 1915. |
| Menzies, Fred | do | do | Roslyn Cascade Coal Co. | 11273-A | Do. |
| Mohar, Matt | do | do | Northwestern Improvement Co. | 11256 | Do. |
| Morgan, John E. | do | do | do | 7326-A | August, 1914. |
| Paulich, Vance | do | do | do | 1833-A | Do. |
| Scobie, Robert | do | do | Roslyn Cascade Coal Co. | 11271-A | June, 1915. |
| Sneddon, Walter | do | do | Northwestern Improvement Co. | 7325-A | August, 1914. |
| Tometich, Philip | do | do | do | 7323-A | Do. |
| Williams, Morgan | do | do | Roslyn Fuel Coal Co. | 11264-A | June, 1915. |
| Wilson, Joseph | do | do | Northwestern Improvement Co. | 11284-A | Do. |
| Davis, Horace | Burnett | Pierce | Pacific Coast Coal Co. | 11936-A | September, 1915. |
| Evans, W. H. | do | do | do | 12726-A | October, 1915. |
| Patrick, Gus | do | do | do | 11933-A | September, 1915. |
| Pedler, William H. | do | do | do | 11935-A | Do. |
| Russell, Thomas | do | do | do | 11934-A | Do. |
| Woolard, John | do | do | do | 11932-A | Do. |
| Barnes, Charles | Carbonado | Pierce | Carbon Hill Coal Co. | 7312-A | August, 1914. |
| Davies, Daniel | do | do | do | 7310-A | Do. |
| Davies, David | do | do | do | 7313-A | Do. |
| Edwards, John | do | do | do | 7308-A | Do. |
| Harvey, John | do | do | do | 7315-A | Do. |
| Irish, Charles | do | do | do | 7307-A | Do. |
| Larson, William | do | do | do | 7314-A | Do. |
| Reese, T. J. | do | do | do | 7309-A | Do. |
| Roberts, David E. | do | do | do | 7316-A | Do. |
| Roberts, Owen | do | do | do | 7317-A | Do. |
| Stephenson, Robert | do | do | do | 7306-A | Do. |
| Strom, Andrew | do | do | do | 7311-A | Do. |
| Johnston, Albert | Fairfax | do | Fairfax Mining Co. | 7322-A | Do. |
| Kolisch, Mike | do | do | do | 7318-A | Do. |
| Rockefeller, George | do | do | do | 7320-A | Do. |
| Smith, Stanley | do | do | do | 7321-A | Do. |
| Yech, Mike | do | do | do | 7319-A | Do. |

WASHINGTON—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Burmeister, H. L | Tacoma | Pierce | Student | 14746-A | January, 1916. |
| Crandall, S. A | do | do | do | 14745-A | Do. |
| Tucker, E. L | do | do | do | 14750-A | Do. |
| Ober, R. B | Tono | Thurston | Washington Union Coal Co. | 7305 | August, 1914. |
| Applequist, H. A | Pullman | Whitman | Student | 12025 | October, 1915. |
| Hinckley, Joseph | do | do | do | 12924 | Do. |
| Mason, F. B | do | do | do | 6329-A | November, 1915. |
| Parmalee, James G | do | do | do | 6328-A | Do. |
| Robbins, H. R | do | do | Professor, Washington State College. | 12935-A | October, 1915. |
| Schuneman, E. H | do | do | Student | 12939-A | Do. |
| Swanson, S. A | do | do | do | 12937-A | Do. |
| Traeger, L. E | do | do | do | 12936-A | Do. |
| White, W. C | do | do | do | 12938-A | Do. |

WEST VIRGINIA.

| | | | | | |
|---|---|---|---|---|---|
| Bowen, W. E | Bower | Braxton | Davis Collieries Co | 11320-A | June, 1915. |
| Collins, James | do | do | do | 11318-A | Do. |
| Davies, Thomas E | do | do | do | 11322-A | Do. |
| Griffith, A. C | do | do | do | 11317-A | Do. |
| Queen, F. G | do | do | do | 11319-A | Do. |
| Ryan, George | do | do | do | 11323-A | Do. |
| Sastoridi, Peter | do | do | Copen Creek Coal Co | 11328-A | Do. |
| Toth, Samuel | do | do | Davis Collieries Co | 11321-A | Do. |
| Yoak, Samuel | do | do | do | 11324-A | Do. |
| Frye, T. G | Copen | do | do | 11325-A | Do. |
| Nery, Nicholas | do | do | do | 11326-A | Do. |
| James, A. G | Gilmer | do | Copen Creek Coal Co | 11327-A | Do. |
| Kelley, William | do | do | do | 11329-A | Do. |
| Burati, Lu | Widen | Clay | Elk River Coal & Lumber Co. | 14662-A | January, 1916. |
| Butcher, Grover T | do | do | do | 14661-A | Do. |
| Ellis, Holly | do | do | do | 14614 | Do. |
| Frame, W. M | do | do | do | 14659-A | Do. |
| Maynard, Fred | do | do | do | 14658-A | Do. |
| Strickland, Emmet | do | do | do | 14660-A | Do. |
| Blankenship, James | Boomer | Fayette | Boomer Coal & Coke Co. | 15882-A | March, 1916. |
| Craft, Pleasant | do | do | do | 15881-A | Do. |
| Fielding, A. W | do | do | do | 15877-A | Do. |
| McClung, C. H | do | do | do | 15878-A | Do. |
| McClung, Geo | do | do | do | 15879-A | Do. |
| Youll, A. L | do | do | do | 15880-A | Do. |
| Vermillion, W. M | Carbondale | do | Sunday Creek Coal Co | 15859-A | Do. |
| Martin, R. C | Harewood | do | do | 15049 | February, 1916. |
| Adams, L. H | Kingston | do | Solvay Collieries Co | 16301-A | April, 1916. |
| Akers, Lacy R | do | do | do | 16306-A | Do. |
| Eads, E. G | do | do | do | 16313-A | Do. |
| Elgin, C. W | do | do | do | 16302-A | Do. |
| Griffith, I. O | do | do | do | 16314-A | Do. |
| Hess, Harry | do | do | do | 16316-A | Do. |
| Holstien, W. N | do | do | do | 16309-A | Do. |
| Light, Ira L | do | do | do | 16303-A | Do. |
| Simms, Arnold | do | do | do | 16307-A | Do. |
| Smyth, James M | do | do | do | 16300-A | Do. |
| Tygrett, B. W | do | do | do | 16315-A | Do. |
| Webb, M. C | do | do | do | 16308-A | Do. |
| Evans, G. E | Longacre | do | Sunday Creek Coal Co | 15071-A | February, 1916. |
| Keller, J. V | do | do | do | 15074-A | Do. |
| Kinney, J. A | do | do | do | 15072-A | Do. |
| McVey, W. H | do | do | do | 3765-A | June, 1916. |
| Smith, Vernon | do | do | do | 15073-A | February, 1916. |
| Doles, Thomas | Marting | do | Columbus Iron & Steel Co. | 15746-A | March, 1916. |
| Jones, J. D | do | do | do | 15745-A | Do. |
| Miller, J. W | do | do | do | 15477-A | Do. |

WEST VIRGINIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Blizzard, F. C | Milburn | Fayette | Milburn Coal Co | 16963-A | May, 1916. |
| Johnson, C. B | do | do | do | 16965-A | Do. |
| Parcell, J. R | do | do | do | 16962-A | Do. |
| Shanklin, Lem | do | do | do | 16964-A | Do. |
| Turner, Donald | do | do | do | 16966-A | Do. |
| Adams, F. L | Smithers | do | W. R. Johnson Coal Co. | 15075-A | February, 1916. |
| Dixon, J. G | do | do | Sunday Creek Coal Co. | 15854-A | March, 1916. |
| Dixon, Mat | do | do | | 15048 | February, 1916. |
| Bragg, F. D | Westerly | do | Solvay Collieries Co | 16304-A | April, 1916. |
| Butrick, William | do | do | do | 16305-A | Do. |
| Byrd, Elbert M | do | do | do | 16310-A | Do. |
| Judson, W. B | do | do | do | 16312-A | Do. |
| Painter, H. E | do | do | do | 16311-A | Do. |
| Painter, J. D | do | do | do | 16317-A | Do. |
| Hudson, A. E | Burnwell | Kanawha | Imperial Colliery Co | 15947-A | March, 1916. |
| Johnson, Floyd D | do | do | do | 15949-A | Do. |
| Tucker, A. A | do | do | do | 15946-A | Do. |
| Williams, Frank | do | do | do | 15948-A | Do. |
| Armentrant, G. W | Cannelton | do | Cannelton Coal & Coke Co. | 15861-A | Do. |
| Bess, J. P | do | do | do | 15865-A | Do. |
| Bosnich, Frank | do | do | do | 15871-A | Do. |
| Boyd, H. L | do | do | do | 15860-A | Do. |
| Cutts, Thomas | do | do | do | 15870-A | Do. |
| Forbes, W. A | do | do | do | 15866-A | Do. |
| Holdnen, P. S | do | do | do | 15856-A | Do. |
| Jones, Joseph | do | do | do | 15858-A | Do. |
| Morrison, B. J | do | do | do | 15863-A | Do. |
| Nunally, P. S | do | do | do | 15857-A | Do. |
| O'Connell, Andrew | do | do | do | 15869-A | Do. |
| Odell, J. M | do | do | do | 15868-A | Do. |
| Selbe, F. G | do | do | do | 15862-A | Do. |
| Stewart, Charles | do | do | do | 15855-A | Do. |
| Stewart, Irving | do | do | do | 15864-A | Do. |
| Yaks, F. L | do | do | do | 15867-A | Do. |
| Banister, Earl | Crown Hill | do | Belmont Coal Co | 17621-A | May, 1916. |
| Burke, Hillery | do | do | do | 17622-A | Do. |
| Burke, James H | do | do | do | 17631-A | Do. |
| Carter, W. M | do | do | do | 17626-A | Do. |
| Mamoran, Edward | do | do | Southwestern Coal Co. | 17629-A | Do. |
| Mitchell, Arch | do | do | Belmont Coal Co | 17632-A | Do. |
| Mitchell, R. E | do | do | do | 17624-A | Do. |
| Nunley, C. A | do | do | Southwestern Coal Co. | 17620-A | Do. |
| Phillips, W. M | do | do | Belmont Coal Co | 17630-A | Do. |
| Shain, E. L | do | do | do | 17619-A | Do. |
| Summerfield, A. M | do | do | do | 17625-A | Do. |
| Trimble, R. J | do | do | do | 17627-A | Do. |
| Workman, Frank | do | do | do | 17623-A | Do. |
| Ferrell, Ira | East Bank | do | Southwestern Coal Co. | 17628-A | Do. |
| Ulbrich, G. H | do | do | do | 17633-A | Do. |
| Gleason, J. L | Lewiston | do | Winifrede Coal Co | 17646-A | Do. |
| Bostwick, Elijah | Putney | do | Campbell Creek Coal Co. | 14758-A | January, 1916. |
| Cline, H. J | do | do | do | 14761-A | Do. |
| Halstead, J. R | do | do | do | 14752-A | Do. |
| Halstead, Michael | do | do | do | 14759-A | Do. |
| Hill, William | do | do | do | 14757-A | Do. |
| Layton, Albert | do | do | do | 14753-A | Do. |
| Painter, James, jr | do | do | do | 14754-A | Do. |
| Robertson, G. C | do | do | do | 14755-A | Do. |
| Thomas, J. R | do | do | do | 14751-A | Do. |
| Williams, James | do | do | do | 14760-A | Do. |
| Winfree, Kemper | do | do | do | 14756-A | Do. |
| Collins, Luther | Standard | do | Standard Splind & Gas Coal Co. | 15874-A | March, 1916. |
| Frazer, Jube W | do | do | do | 15872-A | Do. |
| Hoke, Opha D | do | do | do | 15876-A | Do. |
| Patrick, W. H | do | do | do | 15875-A | Do. |
| Steed, E. B | do | do | do | 15873-A | Do. |

WEST VIRGINIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Austin, H. D | Ward | Kanawha | Kelly's Creek Colliery Co. | 15070-A | February, 1916. |
| Cart, Clint | do | do | do | 15063-A | Do. |
| Green, Pearlie | do | do | do | 15064-A | Do. |
| Henderson, David | do | do | do | 15066-A | Do. |
| Jeter, William | do | do | do | 15047 | Do. |
| Martin, C. E | do | do | do | 15067-A | Do. |
| Martin, S. L | do | do | do | 15068-A | Do. |
| Massie, L. S | do | do | do | 15069-A | Do. |
| Szasz, John | do | do | do | 15065-A | Do. |
| Bosher, Clyde | Winifrede | do | Winifrede Coal Co | 17255-A | May, 1916. |
| Bosher, Harry | do | do | do | 17246-A | Do. |
| Brinkley, John | do | do | do | 17251-A | Do. |
| Cantley, J. T | do | do | do | 17252-A | Do. |
| Cole, John | do | do | do | 17221-A | Do. |
| Estep, French | do | do | do | 17254-A | Do. |
| Kore, James | do | do | do | 17256-A | Do. |
| McKee, Campbell | do | do | do | 17257-A | Do. |
| Martin, James | do | do | do | 17223-A | Do. |
| Miller, W. S | do | do | do | 17259-A | Do. |
| Mitchell, Thomas | do | do | do | 17222-A | Do. |
| Moore, Harry | do | do | do | 17247-A | Do. |
| Napper, Phillip | do | do | do | 17225-A | Do. |
| Nelson, J. M | do | do | do | 17224-A | Do. |
| Petry, Aaron | do | do | do | 17253-A | Do. |
| Sanders, Samuel | do | do | do | 17226-A | Do. |
| Simons, George | do | do | do | 17258-A | Do. |
| Tincture, Earley | do | do | do | 17249-A | Do. |
| Vealey, I. L | do | do | do | 17250-A | Do. |
| Wilson, Leitch | do | do | do | 17248-A | Do. |
| Dawson, J. L | Big Creek | Logan | Black Hawk Colliery Co. | 12398-A | October, 1915. |
| McKnight, Frank | do | do | Lincoln Coal Mining Corporation. | 12371-A | Do. |
| Stone, F. D | do | do | do | 12370-A | Do. |
| Cook, Ed | Craneco | do | Loraine Coal & Dock Co. | 14422-A | January, 1916. |
| Lyons, J. W | do | do | do | 12052-A | Do. |
| Vance, W. P | do | do | do | 14421-A | Do. |
| Watson, J. B | Crown | do | Guyan Valley Coal Co. | 16937-A | May, 1916. |
| Clay, J. L | Ethel | do | Logan Mining Co | 13394 | November, 1915. |
| Morris, H. D | do | do | do | 13370-A | Do. |
| Webb, J. B | do | do | do | 13395 | Do. |
| Curry, Major | Holden | do | U. S. Coal & Oil Co | 13170-A | Do. |
| Dice, Robert H | do | do | do | 13171-A | Do. |
| Hostetter, A | do | do | do | 13167-A | Do. |
| Parsons, W. S | do | do | do | 13169-A | Do. |
| Rowland, J. E | do | do | do | 13168-A | Do. |
| Snyder, James W | do | do | do | [illegible] | Do. |
| Thompson, George | do | do | do | [illegible] | Do. |
| Woods, Harry T | do | do | do | 13172-A | Do. |
| Allen, Leonard | Logan | do | Aracoma Coal Co | 12642-A | October, 1915. |
| Allen, W. J | do | do | do | 12627 | Do. |
| Blankenship, Jacob | do | do | do | 12628 | Do. |
| Ferguson, Harry | do | do | do | 12629 | Do. |
| Flynn, B. L | do | do | do | 13120 | November, 1915. |
| Morrell, B. H | do | do | do | 12644-A | October, 1915. |
| Parcell, Linwood | do | do | Guyan Machine Shops. | 12643-A | Do. |
| Burwell, Ora | Manbar | do | Logan Mining Co | 13898 | December, 1915. |
| Haislip, Fred | do | do | do | 13921-A | Do. |
| Kuhn, E. L | do | do | do | 13922-A | Do. |
| Race, Stuart | do | do | do | 13923-A | Do. |
| Riley, J. S | do | do | do | 13899 | Do. |
| Wiley, J. A | do | do | do | 13919-A | Do. |
| Woodruff, A. J | do | do | do | 13920-A | Do. |
| Ferguson, W. P | Monaville | do | Island Creek Coal Co | 13178-A | November, 1915. |
| Guy, B. R | do | do | do | 13180-A | Do. |
| Haslam, James | do | do | do | 13179-A | Do. |
| Scott, S. B | do | do | Logan Mining Co | 13177-A | Do. |
| Vaughan, R. B | do | do | Island Creek Coal Co | 13181-A | Do. |
| Walker, Charles | do | do | Logan Mining Co | 13182-A | Do. |
| Whitman, W. G | do | do | do | 13176-A | Do. |

WEST VIRGINIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Barlow, R. B | Omar | Logan | Main Island Creek Coal Co. | 13124 | November, 1915. |
| Creakman, H. F | do | do | do | 13122 | Do. |
| Jones, W. T | do | do | do | 13174-A | Do. |
| Montgomery, J. W | do | do | do | 13123 | Do. |
| Steidel, Joseph H | do | do | do | 13121-A | Do. |
| Pratt, K. D | Stone Branch | do | Stone Branch Coal Co. | 12369-A | October, 1915. |
| Wood, Arthur | do | do | do | 12399 | Do. |
| Pritchard, R. F | Stowe | do | Long Flame Coal Co | 14420-A | January, 1916. |
| Gatherum, Robert S | Athens | McDowell | Assistant professor, University of West Virginia. | 7416-A | September, 1914. |
| Barrack, W. R | Berwind | do | New River & Pocahontas Coal Co. | 10101-A | April, 1915. |
| Chatfield, F. T | do | do | do | 10102-A | Do. |
| Giardine, Frank | do | do | do | 10105-A | Do. |
| Headley, H. C | do | do | do | 10104-A | Do. |
| Phillips, George | do | do | do | 10103-A | Do. |
| Sowers, C. H | Big Sandy | do | Solway Collieries Co | 9302-A | March, 1915. |
| Humphreys, E. B | Coalwood | do | Carter Coal Co | 9706-A | April, 1915. |
| Johns, O. A | do | do | do | 9707-A | Do. |
| Lefero, Clinton | do | do | do | 9708-A | Do. |
| Worrell, Joseph | do | do | do | 9709-A | Do. |
| Brindle, Walter | Davy | do | Superior Pocahontas Coal Co. | 8700-A | January, 1915. |
| Foy, Chester | do | do | do | 8697-A | Do. |
| Hanners, H | do | do | do | 8699-A | Do. |
| Keys, Michael | do | do | do | 8698-A | Do. |
| Marshall, David | do | do | do | 8696-A | Do. |
| Stiltner, F. C | do | do | Jewett, Bigelow & Brooks Coal Co. | 9311-A | March, 1915. |
| Underwood, C. W. P | do | do | Superior Pocahontas Coal Co. | 8695-A | January, 1915. |
| Ball, Luther | Eckman | do | Pulaski Iron Co | 8072-A | Do. |
| Bowers, A. T | do | do | Eureka Coal & Coke Co. | 8075-A | Do. |
| Durall, T. L | do | do | do | 8076-A | Do. |
| Forest, Henry | do | do | Pulaski Iron Co | 8074-A | Do. |
| Jamotton, A. M | do | do | do | 8071-A | Do. |
| Jamotton, A. R | do | do | do | 8073-A | Do. |
| Reynolds, T. R | do | do | Eureka Coal & Coke Co. | 8078-A | Do. |
| Sheffield, J. M | do | do | do | 8077-A | Do. |
| Thore, D. H | do | do | do | 8079-A | Do. |
| Dutsie, Joseph | Elbert | do | U. S. Coal & Coke Co | 8646-A | Do. |
| Glijoric, Joseph | do | do | do | 8647-A | Do. |
| Griffith, Arthur | do | do | do | 8631-A | Do. |
| Hundley, R. L | do | do | do | 8643-A | Do. |
| Kearns, W. P | do | do | do | 8648-A | Do. |
| Ross, Tony | do | do | do | 8645-E | Do. |
| Woody, W. N | do | do | do | 8644-A | Do. |
| Adkins, W. M | Elkhorn | do | Crozer Coal & Coke Co. | 8056-A | Do. |
| Alexander, James | do | do | Upland Coal & Coke Co. | 8066-A | Do. |
| Bowles, Lewis G | do | do | do | 8057-A | Do. |
| Brent, K. C | do | do | Crozer Coal & Coke Co. | 8050-A | Do. |
| Calloway, Ples | do | do | Upland Coal & Coke Co. | 8063-A | Do. |
| Deitrich, Theodore | do | do | do | 8059-A | Do. |
| Farmer, William I | do | do | do | 8062-A | Do. |
| Garland, Albert | do | do | do | 8061-A | Do. |
| Graham, Walter | do | do | Crozer Coal & Coke Co. | 8052-A | Do. |
| Harris, Clarence | do | do | do | 8056-A | Do. |
| Harris, Elmer | do | d | do | 8053-A | Do. |
| Jackson, S. J | do | do | Upland Coal & Coke Co. | 8065-A | Do. |
| Manns, Lee | do | do | do | 8064-A | Do. |
| Nicewander, H. T | do | do | Crozer Coal & Coke Co. | 8051-A | Do. |
| Pickett, W. P | do | do | Upland Coal & Coke Co. | 8060-A | Do. |
| Smith, H. D | do | do | Crozer Coal & Coke Co. | 8047-A | Do. |
| Smith, J. E | do | do | do | 8048-A | Do. |

WEST VIRGINIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Smith, J. W. | Elkhorn | McDowell | Crozer Coal & Coke Co. | 8049-A | January, 1915. |
| Stapleton, E. M. | do | do | Upland Coal & Coke Co. | 8058-A | Do. |
| Wolf, Alex | do | do | Houston Coal & Coke Co. | 8069-A | Do. |
| Yates, Harrison | do | do | Crozer Coal & Coke Co. | 8054-A | Do. |
| Hornsby, Walter | Elk Ridge | do | | 7418-A | September, 1914. |
| Andring, Joseph | Filbert | do | United States Coal & Coke. Co. | 8667-A | January, 1915. |
| Both, Benj | do | do | do | 8665-A | Do. |
| Frisco, M | do | do | do | 8666-A | Do. |
| Gates, D. R | do | do | do | 8630-A | Do. |
| Gresco, Steve | do | do | do | 8664-A | Do. |
| Harding, W. W | do | do | do | 8651-A | Do. |
| Lee, C. B | do | do | do | 8663-A | Do. |
| Lewis, J. H | do | do | do | 8639-A | Do. |
| Price, Robert | do | do | do | 8642-A | Do. |
| Sabo, J | do | do | do | 8668-A | Do. |
| Vincze, John | do | do | do | 8669-A | Do. |
| Becker, Thomas | Gary | do | do | 8634-A | Do. |
| Billips, L. A | do | do | do | 8628-A | Do. |
| Billips, Robert | do | do | do | 8606-A | Do. |
| Charney, M | do | do | do | 8673-A | Do. |
| Childrews, John | do | do | do | 8603-A | Do. |
| Chismar, Joseph | do | do | do | 8655-A | Do. |
| Costen, Trepp | do | do | do | 8602-A | Do. |
| Davis, R. H | do | do | do | 8625-A | Do. |
| Euell, Frank | do | do | do | 8637-A | Do. |
| Flexner, J. E | do | do | do | 8624-A | Do. |
| Friel, Neil | do | do | do | 8649-A | Do. |
| Graham, H. T | do | do | do | 8604-A | Do. |
| Harrison, R. Y | do | do | do | 8674-A | Do. |
| Haynes, R. M | do | do | do | 8601-A | Do. |
| Holland, W. T | do | do | do | 8638-A | Do. |
| Koerner, J. F | do | do | do | 8629-A | Do. |
| Kopas, Andrew | do | do | do | 8653-A | Do. |
| Kopas, John | do | do | do | 8656-A | Do. |
| Kovach, Julius | do | do | do | 8607-A | Do. |
| McPartland, T. J | do | do | do | 8617-A | Do. |
| Mahan, Lemon | do | do | do | 8635-A | Do. |
| Martin, Paul | do | do | do | 8671-A | Do. |
| Monte, Tony | do | do | do | 8618-A | Do. |
| Motley, Martin | do | do | do | 8676-A | Do. |
| Osborn, L. A | do | do | do | 8623-A | Do. |
| Owen, Clarence E | do | do | do | 8626-A | Do. |
| Porter, Roscoe | do | do | do | 8605-A | Do. |
| Roth, George | do | do | do | 8654-A | Do. |
| Sipiciky, M | do | do | do | 8672-A | Do. |
| Smith, Henry | do | do | do | 8633-A | Do. |
| Stecco, Theodore | do | do | do | 8619-A | Do. |
| Taliferro, George | do | do | do | 8636-A | Do. |
| Thirtle, E | do | do | do | 8600-A | Do. |
| Thirtle, James | do | do | do | 8599-A | Do. |
| Toth, Louis | do | do | do | 8608-A | Do. |
| Tully, J. M | do | do | do | 8616-A | Do. |
| Yonskay, John | do | do | do | 8622-A | Do. |
| Fleming, R. B | Havaco | do | New River and Pocahontas Consolidated Coal & Coke Co. | 8828-A | February, 1915. |
| Hardy, Frank | do | do | do | 8827-A | Do. |
| Keith, G. W | do | do | do | 8825-A | Do. |
| Lambie, Robert | do | do | do | 8824-A | Do. |
| Woodward, R. W | do | do | do | 8826-A | Do. |
| Clark, Dewey R | Hensley | do | Jewett, Bigelow & Brooks Coal Co. | 9314-A | March, 1915. |
| Thomas, L. E | do | do | do | 9315-A | Do. |
| Kuchon, Andy | Keystone | do | Keystone Coal & Coke Co. | 8090-A | January, 1915. |
| McSwen, John | do | do | do | 8089-A | Do. |
| Morgan, William | do | do | do | 8086-A | Do. |
| Roher, Samuel | do | do | do | 8085-A | Do. |
| Smith, John | do | do | do | 8088-A | Do. |
| Vernon, Ester | do | do | do | 8087-A | Do. |
| Bare, William | Kimball | do | King Coal Co | 8865-A | February, 1915. |
| Berry, James | do | do | do | 8864-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Hairston, John | Kimball | McDowell | King Coal Co | 8866-A | February, 1915. |
| Lindley, Roger | do | do | do | 8863-A | Do. |
| Nuttall, Chas. | do | do | do | 8862-A | Do. |
| Rainey, Sam | do | do | do | 8867-A | Do. |
| Totten, Neal | do | do | Peerless Coal & Coke Co. | 8857-A | Do. |
| Mosko, Thomas | Kyle | do | Lynchburg Coal & Coke Co. | 8070-A | January, 1915. |
| Farquharson, Peter. | Landgraff | do | Empire Coal & Coke Co. | 8083-A | Do. |
| Maness, G. C | do | do | do | 8084-A | Do. |
| Merrill, M. L | do | do | do | 8080-A | Do. |
| Sexton, G. A | do | do | do | 8081-A | Do. |
| Swim, E. S | do | do | do | 8082-A | Do. |
| Dingess, A. J | Marytown | do | Solvay Collieries Co | 9304-A | March, 1915. |
| Garland, M. W | do | do | do | 9305-A | Do. |
| Garland, W. R | do | do | do | 9303-A | Do. |
| Gillum, W. W | do | do | do | 9308-A | Do. |
| Overton, William H. | do | do | do | 9307-A | Do. |
| Testerman, Eli | do | do | do | 9309-A | Do. |
| Woody, E. N | do | do | do | 9306-A | Do. |
| Benn, C. W | Mohawk | do | Mohawk Coal & Coke Co. | 10122-A | April, 1915. |
| Cline, J. C | do | do | do | 10120-A | Do. |
| Heston, Samuel | do | do | do | 10123-A | Do. |
| Hopkins, W. J | do | do | do | 10118-A | Do. |
| Kirk, W. A | do | do | do | 10121-A | Do. |
| Perry, J. B | do | do | do | 10119-A | Do. |
| Bakas, Andy | Panther | do | Panther Coal Co | 10115-A | Do. |
| Goodson, John | do | do | do | 10114-A | Do. |
| Gulach, John | do | do | do | 10116-A | Do. |
| Gwinn, George | do | do | Lathrop Coal Co | 10107-A | Do. |
| Johnson, Irvin | do | do | do | 10109-A | Do. |
| Leckie, Andrew | do | do | do | 10106-A | Do. |
| Lemak, John | do | do | Panther Coal Co | 10117-A | Do. |
| Mugano, Michael | do | do | Lathrop Coal Co | 10111-A | Do. |
| Roach, Luther R | do | do | Panther Coal Co | 10112-A | Do. |
| Stitt, E. L | do | do | Lathrop Coal Co | 10108-A | Do. |
| Sutphin, F. T | do | do | do | 10110-A | Do. |
| Thomas, Joseph | do | do | Panther Coal Co | 10113-A | Do. |
| Cockill, C. W | Powhatan | do | Powhatan Coal & Coke Co. | 8068-A | January, 1915. |
| Dunman, W. R | do | do | do | 11392-A | June, 1915. |
| Gallaghar, Andrew | do | do | do | 8067-A | January, 1915. |
| Bunn, Fred | Premier | do | Premier Pocahontas Coal Co. | 9230-A | February, 1915. |
| Butler, Harry L | do | do | do | 9233-A | Do. |
| Cecil, W. J | do | do | do | 9225-A | Do. |
| Collins, Benjamin | do | do | do | 9224-A | Do. |
| Daugherty, John W. | do | do | do | 9223-A | Do. |
| Gonia, Harry W | do | do | do | 9227-A | Do. |
| Grimes, Charles H | do | do | do | 9235-A | Do. |
| Johnson, John D | do | do | do | 9222-A | Do. |
| Mahaffey, Carl P | do | do | do | 9229-A | Do. |
| Mahaffey, Henry H. | do | do | do | 9228-A | Do. |
| Mahaffey, Robert | do | do | do | 9237-A | Do. |
| Osborne, Tinker | do | do | do | 9236-A | Do. |
| Patterson, Chas. H | do | do | do | 9231-A | Do. |
| Pedigo, Edmund S | do | do | do | 9234-A | Do. |
| Ring, Grant M | do | do | do | 9232-A | Do. |
| Wyatt, S. D | do | do | do | 9226-A | Do. |
| Arnocky, Frank | Thorpe | do | U. S. Coal & Coke Co | 8657-A | January, 1915. |
| Bacsi, Ignacious | do | do | do | 8612-A | Do. |
| Christian, John | do | do | do | 8670-A | Do. |
| Christian, William | do | do | do | 8632-A | Do. |
| Dickinson, Thomas | do | do | do | 8613-A | Do. |
| Dinkins, Thomas | do | do | do | 8675-A | Do. |
| Donnelly, M. J | do | do | do | 8610-A | Do. |
| Dunn, I. H | do | do | do | 8650-A | Do. |
| Gaultney, E | do | do | do | 8620-A | Do. |
| Gillespie, E. D | do | do | do | 8609-A | Do. |
| Harris, A. N | do | do | do | 8652-A | Do. |
| Harston, John | do | do | do | 8640-A | Do. |
| Horvath, Frank | do | do | do | 8660-A | Do. |
| Hughes, B. D | do | do | do | 8621-A | Do. |

WEST VIRGINIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Kalman, Steve | Thorpe | McDowell | U. S. Coal & Coke Co. | 8658-A | January, 1915. |
| Kish, Andy | do | do | do | 8659-A | Do. |
| Knox, James | do | do | do | 8615-A | Do. |
| Kutrelnik, John | do | do | do | 8662-A | Do. |
| Moloch, Daniel | do | do | do | 8661-A | Do. |
| Phibick, Julius | do | do | do | 8677-A | Do. |
| Pike, Kanawha | do | do | do | 8611-A | Do. |
| Smart, Ed | do | do | do | 8641-A | Do. |
| Smith, Michael | do | do | do | 8614-A | Do. |
| Barnes, J. F | Twin Branch | do | Jewett, Bigelow & Brooks Coal Co. | 9316-A | March, 1915. |
| Call, Clyde | do | do | do | 9317-A | Do. |
| Firestine, Emery | do | do | do | 9310-A | Do. |
| Harless, Albert | do | do | do | 9318-A | Do. |
| Jarrett, Leslie | do | do | do | 9312-A | Do. |
| Mullins, Robert | do | do | do | 9313-A | Do. |
| Caldwell, Steve J | Vivian | do | Peerless Coal & Coke Co. | 8854-A | February, 1915. |
| Caliver, Charles | do | do | Tidewater Coal Co | 8860-A | Do. |
| Carter, Frank | do | do | Peerless Coal & Coke Co. | 8855-A | Do. |
| Crawford, Wm. A | do | do | do | 8856-A | Do. |
| Cundiff, W. M | do | do | Bottom Creek Coal & Coke Co. | 8853-A | Do. |
| Powell, Claude T | do | do | do | 8850-A | Do. |
| Powell, Walter L | do | do | do | 8849-A | Do. |
| Renfro, William | do | do | do | 8852-A | Do. |
| Taylor, Robert | do | do | do | 8851-A | Do. |
| Thomas, Joe | do | do | Tidewater Coal Co | 8861-A | Do. |
| Williams, Emmett | do | do | do | 8859-A | Do. |
| Williams, John H | do | do | do | 8858-A | Do. |
| Ross, H. L | Wilcoe | do | U. S. Coal & Coke Co. | 8627-A | January, 1915. |
| Candill, Ed | Borderland | Mingo | Buffalo Collieries Co | 11309-A | June, 1915. |
| Jones, C. A | do | do | Borderland Coal Co | 11316-A | Do. |
| Miller, V. A | do | do | do | 11315-A | Do. |
| Shockey, J. B | do | do | do | 11313-A | Do. |
| Turner, James | do | do | do | 11314-A | Do. |
| Evans, D. W | Chattaroy | do | Howard Colliery Co | 11307-A | Do. |
| Nowlin, Milton | do | do | Buffalo Collieries Co | 11312-A | Do. |
| Richart, J. B | do | do | Howard Colliery Co | 11306-A | Do. |
| Trent, A. G | do | do | Buffalo Collieries Co | 11310-A | Do. |
| Ward, H. H | do | do | do | 11311-A | Do. |
| Duty, Carl | Cinderella | do | Sycamore Coal & Coke Co. | 11372-A | Do. |
| Haga, Stewart | do | do | do | 11376-A | Do. |
| Richardson, Alex | do | do | do | 11373-A | Do. |
| Utter, Martin | do | do | do | 11374-A | Do. |
| Whorley, Oscar | do | do | do | 11375-A | Do. |
| Gibson, Charles | Glenalum | do | Glenalum Coal Co | 10099-A | April, 1915. |
| Harrison, W. B | do | do | do | 10093-A | Do. |
| Helms, John | do | do | do | 10097-A | Do. |
| Helms, Lon | do | do | do | 10098-A | Do. |
| Miller, Leonard | do | do | do | 10096-A | Do. |
| Perry, Jack | do | do | do | 10095-A | Do. |
| Roach, J. M | do | do | do | 10091-A | Do. |
| Scott, J. G | do | do | do | 10092-A | Do. |
| Sullivan, N | do | do | do | 10100-A | Do. |
| Swanson, C. H | do | do | do | 10094-A | Do. |
| Pierrung, W. E | Hatfield | do | Buffalo Collieries Co | 11308-A | June, 1915. |
| Brizendine, Edward | New Thacker | do | Thacker Fuel Co | 10215-A | May, 1915. |
| Colbert, Herman | do | do | do | 10217-A | Do. |
| Cook, Jason | do | do | do | 10220-A | Do. |
| Horn, C. E | do | do | do | 10213-A | Do. |
| Kerr, P. P | do | do | do | 10214-A | Do. |
| Mitchell, Edward | do | do | do | 10219-A | Do. |
| Ramsey, Thomas | do | do | do | 10218-A | Do. |
| Smith, Mason | do | do | do | 10216-A | Do. |
| Clay, Van L | Red Jacket | do | Red Jacket Cons. Coal & Coke Co. | 11479-A | June, 1915. |
| Crawford, Mills | do | do | do | 11483-A | Do. |
| DeHart, E. G | do | do | do | 11477-A | Do. |
| Davis, S. F | do | do | do | 11481-A | Do. |

WEST VIRGINIA—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Dooley, Clyde | Red Jacket | Mingo | Red Jacket Cons. Coal & Coke Co. | 11475-A | June, 1915. |
| Gammon, L. J. | do | do | do | 11482-A | Do. |
| Isaacs, Ben | do | do | do | 11480-A | Do. |
| Lottes, Fred | do | do | do | 11472-A | Do. |
| Pennington, G. W. | do | do | do | 11476-A | Do. |
| Reardon, Michael | do | do | do | 11478-A | Do. |
| Robinson, T. L. | do | do | do | 11474-A | Do. |
| Salmons, Wayne | do | do | do | 11473-A | Do. |
| Smith, Frank P. | do | do | do | 11469-A | Do. |
| Thomas, John | do | do | do | 11484-A | Do. |
| Wentz, Harold | do | do | do | 11470-A | Do. |
| Wilburn, Cecil | do | do | do | 11471-A | Do. |
| Aliff, J. R. | Thacker mines | do | Thacker Coal & Coke Co. | 10212-A | May, 1915. |
| Cereske, Fred | do | do | do | 10211-A | Do. |
| Deberry, John | do | do | do | 10206-A | Do. |
| Hairston, Floyd | do | do | do | 10208-A | Do. |
| Hurt, Alec | do | do | do | 10207-A | Do. |
| Johnston, Edward | do | do | do | 10210-A | Do. |
| McCloskey, Frank | do | do | do | 10205-A | Do. |
| Massing, George | do | do | do | 10204-A | Do. |
| Schnell, Leonard | do | do | do | 10203-A | Do. |
| Yates, William | do | do | do | 10209-A | Do. |
| Bray, B. F. | Williamson | do | Williamson Coal & Coke Co. | 11379-A | June, 1915. |
| Delly, H. H. | do | do | do | 11377-A | Do. |
| Marshall, Alexander | do | do | Thacker Coal & Coke Co. | 10202-A | May, 1915. |
| Murphy, Elliott | do | do | Williamson Coal & Coke Co. | 11380-A | June, 1915. |
| Murphy, W. J. | do | do | do | 11378-A | Do. |
| Myers, P. E. | do | do | do | 11381-A | Do. |
| Perdue, D. H. | Morgantown | Monongalia | Instructor, University of West Virginia. | 19451-A | August, 1916. |
| Zern, Edward N. | do | do | Professor, University of West Virginia. | 7415-A | September, 1914. |
| Gatens, William | Bancroft | Putnam | Plymouth Coal & Mining Co. | 14737-A | January, 1916. |
| Hacket, George | do | do | do | 14728-A | Do. |
| Bumgarner, B. F. | Black Betsy | do | Black Betsy Coal & Mining Co. | 14732-A | Do. |
| Dodd, J. B. | do | do | do | 14730-A | Do. |
| Ingram J. M. | do | do | do | 14734-A | Do. |
| Santrock, C. R. | do | do | do | 14735-A | Do. |
| Tucker, J. F. | do | do | do | 14731-A | Do. |
| Wright, C. W. | do | do | do | 14729-A | Do. |
| Wright, G. W. | do | do | do | 14733-A | Do. |
| Cundiff, William | Plymouth | do | Plymouth Coal & Mining Co. | 14736-A | Do. |
| Humphreys, Charles | do | do | do | 14726-A | Do. |
| Null, W. E. | do | do | do | 14738-A | Do. |
| Steele, T W, | do | do | do | 14727-A | Do. |
| Corrick, Mason | Coalton | Randolph | Davis Colliery Co. | 11488-A | June, 1915. |
| Ford, N. A. | do | do | do | 11487-A | Do. |
| Madden, E. F. | do | do | do | 11489-A | Do. |
| Taylor, Sanford | do | do | do | 11494-A | Do. |
| Tillson, R. J. | do | do | do | 11486-A | Do. |
| Cross, L. D. | Harding | do | do | 11493-A | Do. |
| Davis, W. C. | do | do | do | 11496-A | Do. |
| Hewitt, A. R. | do | do | do | 11491-A | Do. |
| Johns, Joe | do | do | do | 11495-A | Do. |
| Shomo, O. G. | do | do | do | 11490-A | Do. |
| Smith, Charles | do | do | do | 11498-A | Do. |
| Stalnaker, C. P. | do | do | do | 11497-A | Do. |
| Wilmoth, Leslie | do | do | do | 11492-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Dargan, W. V. | Madison | Dane | University of Wisconsin. | 10367 | May, 1915. |
| Hodson, F. W. | do | do | do | 10371 | Do. |
| Hughes, R. W. | do | do | do | 10366 | Do. |
| Kennedy, F. A. | do | do | do | 10372 | Do. |
| Loerpabel, W. H. | do | do | do | 10368 | Do. |
| Newell, A. F. | do | do | do | 10370 | Do. |
| Pallansch, R. A. | do | do | do | 10369 | Do. |
| Pardee, F. G. | do | do | do | 10151-A | Do. |
| Schindler, D. F. | do | do | do | 10150-A | Do. |
| Burns, W. C. | Hazel Green | Grant | Mineral Point Zinc Co. | 8034-A | January, 1915. |
| Clarke, E. E. | do | do | Wisconsin Zinc Co. | 8020-A | Do. |
| Peters, C. J. | do | do | Mineral Point Zinc Co. | 8033-A | Do. |
| Bargiel, J. | Platteville | do | Wisconsin State Mining Trade School. | 8024-A | Do. |
| Bartenbach, W. L. | do | do | do | 8017-A | Do. |
| Botsford, Norris | do | do | do | 8016-A | Do. |
| Boujoulian, H. | do | do | do | 8774-A | Do. |
| Brown, George D. | do | do | do | 14700-A | January, 1916. |
| Burns, L. H. | do | do | do | 8029-A | January, 1915. |
| Campbell, B. M. | do | do | do | 8763-A | Do. |
| Corner, D. C. | do | do | do | 8041-A | Do. |
| Davis, R. E. | do | do | do | 8779-A | Do. |
| Dickerson, C. D. | do | do | do | 8028-A | Do. |
| Fellows, A. M. | do | do | do | 14703-A | January, 1916. |
| Frostad, Geo. | do | do | do | 8027-A | January, 1915. |
| Geumlek, M. H. | do | do | do | 8026-A | Do. |
| Hayden, Carl T. | do | do | Wisconsin Zinc Co. | 8781-A | Do. |
| Jeffrey, Leo E. | do | do | Wisconsin State Mining Trade School. | 14698-A | January, 1916. |
| Kopperud, H. L. | do | do | do | 8773-A | January, 1915. |
| Ludtke, O. F. | do | do | do | 14702-A | January, 1916. |
| McMillan, A. C. | do | do | Coal operator | 8780-A | January, 1915. |
| Mackay, David | do | do | Wisconsin State Mining Trade School. | 8765-A | Do. |
| Manoogian, L. H. | do | do | do | 14705-A | January, 1916. |
| Phillips, Rufus S. | do | do | do | 14703-A | Do. |
| Plourde, H. O. | do | do | Wisconsin State Mining Trade School. | 14699-A | Do. |
| Poad, Wm. | do | do | do | 8025-A | January, 1915. |
| Weber, W. | do | do | do | 8022-A | Do. |
| Weidman, H. G. | do | do | do | 8014-A | December, 1914. |
| White, L. B. | do | do | do | 14701-A | January, 1916. |
| Polkinghorn, S. M. | Highland | Iowa | Mineral Point Zinc Co. | 8762-A | January, 1915. |
| Carpenter, W. L. | Mineral Point | do | Wisconsin State Mining Trade School. | 8770-A | Do. |
| Einola, Evert | Gile | Iron | Odanah Mining Co. | 16947-A | May, 1916. |
| Frigo, Joseph | do | do | Montreal Mining Co. | 17071-A | Do. |
| Peterson, Axel | do | do | do | 17070-A | Do. |
| Philp, Thomas | do | do | do | 17067-A | Do. |
| Skowronski, Alex. | do | do | Odanah Mining Co. | 16950-A | Do. |
| Ciotti, Ruggero | Hurley | do | do | 16949-A | Do. |
| Coxey, Fred | do | do | Montreal Mining Co. | 17066-A | Do. |
| Coyins, Samuel | do | do | Odanah Mining Co. | 16944-A | Do. |
| Defranco, Peter | do | do | do | 16946-A | Do. |
| Kowalkowski, Roman. | do | do | do | 16943-A | Do. |
| Kruger, William | do | do | do | 16941-A | Do. |
| Maki, Jacob | do | do | do | 16948-A | Do. |
| Norwich, Walter | do | do | Montreal Mining Co. | 17065-A | Do. |
| Thomas, George | do | do | Odanah Mining Co. | 16942-A | Do. |
| Thomas, William | do | do | do | 16945-A | Do. |
| Anderson, Matt | Montreal | do | Montreal Mining Co. | 17068-A | Do. |
| Diedericks, J. Peter | do | do | do | 17039-A | Do. |
| Kirby, Timothy | do | do | do | 17069-A | Do. |
| Pilon, Leo | do | do | do | 17062-A | Do. |
| Tononioni, John | do | do | do | 17064-A | Do. |
| Penna, Anton | Pence | do | do | 17063-A | Do. |
| Trickle, Michael | Benton | Lafayette | Wisconsin State Mining Trade School. | 14704-A | January, 1916. |
| Phillips, E. H. | Shullsburg | do | Wisconsin Zinc Co. | 8030-A | January, 1915. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Bauer, Walter | Milwaukee | Milwaukee | Wisconsin State Mining Trade School. | 8768-A | January, 1915. |
| Reinnoldt, Geo. H. | do | do | do | 14697-A | January, 1916. |
| Schultz, Walter | do | do | do | 8767-A | January, 1915. |
| Austerman, A. V. | Waukesha | Waukesha | Mining engineer | 8040-A | Do. |

WYOMING.

| | | | | | |
|---|---|---|---|---|---|
| Addison, Edward | Crosby | Big Horn | Big Horn Coal Co | 16974-A | May, 1916. |
| Booth, M. W | do | do | do | 16973-A | Do. |
| Delaney, T. Edward | do | do | do | 16968-A | Do. |
| Denardo, Dominic | do | do | do | 16978-A | Do. |
| Manley, Lee | do | do | do | 16975-A | Do. |
| Maxwell, John | do | do | do | 16976-A | Do. |
| Morgan, Gilbert | do | do | do | 16970-A | Do. |
| Scullen, Thos. E | do | do | do | 16969-A | Do. |
| Shaw, C. J | do | do | do | 16971-A | Do. |
| Slagle, K. S | do | do | do | 16967-A | Do. |
| Tate, Joseph | do | do | do | 16977-A | Do. |
| White, Samuel | do | do | do | 16972-A | Do. |
| Berger, Floriant | Gebo | do | Owl Creek Coal Co | 16217-A | April, 1916. |
| Berger, Walter | do | do | do | 16211-A | Do. |
| Brown, John J | do | do | do | 16223-A | Do. |
| Figuris, John | do | do | do | 16220-A | Do. |
| Jabot, Charles | do | do | do | 16208-A | Do. |
| Karras, George | do | do | do | 16219-A | Do. |
| King, Arthur | do | do | do | 16215-A | Do. |
| King, David | do | do | do | 16226-A | Do. |
| Kirby, J. R | do | do | do | 16213-A | Do. |
| Knowles, William | do | do | do | 16225-A | Do. |
| Latinis, Alphones | do | do | do | 16209-A | Do. |
| Lynch, Cletus | do | do | do | 16212-A | Do. |
| Lynch, James, jr | do | do | do | 16205-A | Do. |
| Lynch, Stanley | do | do | do | 16224-A | Do. |
| Murray, Charles R | do | do | do | 16206-A | Do. |
| Pryde, George | do | do | do | 16207-A | Do. |
| Rantanen, Coral H | do | do | do | 16218-A | Do. |
| Rente, John | do | do | do | 16222-A | Do. |
| Russell, William | do | do | do | 16221-A | Do. |
| Vaugh, John | do | do | do | 16210-A | Do. |
| Wagner, Andrew | do | do | do | 16216-A | Do. |
| Watson, Ora | do | do | do | 16214-A | Do. |
| Abernathy, John | Hanna | Carbon | Union Pacific Coal Co. | 15927-A | March, 1916. |
| Bateman, W. M | do | do | do | 15930-A | Do. |
| Cachanevas, Joe | do | do | do | 15929-A | Do. |
| Carr, John D | do | do | do | 2092-A | April, 1916. |
| Cheesbrough, A. W. | do | do | do | 12479-A | Do. |
| Clark, Charles | do | do | do | 15919-A | March, 1916. |
| Congleton, Charles | do | do | do | 15913-A | Do. |
| Crank, George | do | do | do | 12473-A | April, 1916. |
| Crawshaw, Samuel | do | do | do | 15921-A | March, 1916. |
| Cummings, Robert | do | do | do | 15923-A | Do. |
| Edwardson, Edw | do | do | do | 15920-A | Do. |
| Evans, E. R | do | do | do | 15935-A | Do. |
| Harrison, William | do | do | do | 15915-A | Do. |
| Jackson, J. W | do | do | do | 15925-A | Do. |
| Jackson, R. A | do | do | do | 15934-A | Do. |
| Klaseen, Alex | do | do | do | 15917-A | Do. |
| Laflie, Michael | do | do | do | 15931-A | Do. |
| Larson, John | do | do | do | 15916-A | Do. |
| Lougher, J. D | do | do | do | 15918-A | Do. |
| Massey, Thomas | do | do | do | 15914-A | Do. |
| Meekin, James | do | do | do | 15926-A | Do. |
| Meekin, Thomas | do | do | do | 12480-A | April, 1916. |
| Nagy, Lew | do | do | do | 15932-A | March, 1916. |
| Olson, Ole | do | do | do | 15928-A | Do. |
| Pasture, John | do | do | do | 15933-A | Do. |
| Sherratt, Daniel | do | do | do | 15922-A | Do. |
| Tennant, John | do | do | do | 15924-A | Do. |
| Wigley, George | do | do | do | 12475-A | April, 1916. |
| Buryayo, Charley | Lyons | Fremont | Lyons Coal Co | 15436 | March, 1916. |
| Gradisher, Joseph | do | do | do | 15435 | Do. |
| McIntosh, David | do | do | do | 15634-A | Do. |

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| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Skirl, John | Lyons | Fremont | Lyons Coal Co | 15[illegible] | March, 1916. |
| Svigelj, John | do | do | do | 15433 | February, 1916. |
| Thevil, Arthur | do | do | do | 15632-A | March, 1916. |
| Travis, John | do | do | do | 15633-A | Do. |
| Bogga, James | Cumberland | Lincoln | Union Pacific Coal Co. | 14770-A | January, 1916. |
| Faddies, Samuel | do | do | do | 14768-A | Do. |
| Giorgis, Geo | do | do | do | 14767-A | Do. |
| Giorgis, John | do | do | do | 14777-A | Do. |
| Huffman, William | do | do | do | 14771-A | Do. |
| Johnson, Jesse | do | do | do | 14778-A | Do. |
| Kemps, Charles | do | do | do | 15042 | February, 1916. |
| Licroix, Albert | do | do | do | 14776-A | January, 1916. |
| Maki, Charles | do | do | do | 14775-A | Do. |
| Maki, Israel | do | do | do | 14772-A | Do. |
| Murdo, Oscar | do | do | do | 14767-A | Do. |
| Paddies, J. P | do | do | do | 14774-A | Do. |
| Sawley, Edward, jr. | do | do | do | 14773-A | Do. |
| Vita, Charles | do | do | do | 15043 | February, 1916. |
| Bennetts, Henry | Sublet | do | Kemmerer Coal Co | 13779-A | November, 1915. |
| Childs, E. H | do | do | do | 13780-A | Do. |
| Grantage, Mont | do | do | do | 13777-A | Do. |
| Purdy, William | do | do | do | 13781-A | Do. |
| Rimotz, Tony | do | do | do | 13778-A | Do. |
| Rose, Clifford | do | do | do | 13782-A | Do. |
| Sliman, Mike | do | do | do | 13758 | Do. |
| Ward, Arthur | do | do | do | 13776-A | Do. |
| Hale, John | Gunn | Sweetwater | Gunn Qualey Coal Co. | 14966-A | February, 1916. |
| Ream, Harry | do | do | do | 14969-A | Do. |
| Robertson, Peter | do | do | do | 14967-A | Do. |
| Taylor, James | do | do | do | 14966-A | Do. |
| Besso, Ernest | Reliance | do | Union Pacific Coal Co. | 15640-A | March, 1916. |
| Brawley, Patrick | do | do | do | 15653-A | Do. |
| Chapman, David | do | do | do | 15637-A | Do. |
| Corrigan, Eugene | do | do | do | 15641-A | Do. |
| Corrigan, John, jr | do | do | do | 15647-A | Do. |
| Deneley, Aaron | do | do | do | 15645-A | Do. |
| Geanopules, Peter | do | do | do | 15648-A | Do. |
| Johnson, Clarence | do | do | do | 15650-A | Do. |
| Jolly, Robert | do | do | do | 15649-A | Do. |
| Jones, James | do | do | do | 15642-A | Do. |
| Knox, Robert | do | do | do | 15651-A | Do. |
| Lloyd, Evan | do | do | do | 15638-A | Do. |
| Mulligan, Thomas | do | do | do | 15636-A | Do. |
| O'Dell, R. B | do | do | do | 15644-A | Do. |
| Reese, John | do | do | do | 15643-A | Do. |
| Severn, Albert | do | do | do | 15635-A | Do. |
| Shrum, Dowl | do | do | do | 15639-A | Do. |
| Spence, William | do | do | do | 15646-A | Do. |
| Tooth, John | do | do | do | 15652-A | Do. |
| Wise, Joseph | do | do | do | 12460-A | April, 1916. |
| Angelovich, Steven | Rock Springs | do | do | 14904-A | February, 1916. |
| Arbaugh, Benj | do | do | do | 14917-A | Do. |
| Black, William | do | do | do | 14902-A | Do. |
| Broseghini, Peter | do | do | do | 14899-A | Do. |
| Bunsey, Thomas | do | do | do | 14900-A | Do. |
| Burnell, P. H | do | do | Wyoming Coal Co | 14977-A | Do. |
| Cobler, Martin | do | do | Union Pacific Coal Co. | 14985-A | Do. |
| Crafts, Herbert R | do | do | do | 14916-A | Do. |
| Cuthbertson, James | do | do | Central Coal & Coke Co. | 14970-A | Do. |
| Dalpozzo, Domi | do | do | Union Pacific Coal Co. | 14983-A | Do. |
| Duzik, Nicholas | do | do | do | 14982-A | Do. |
| Ferero, John | do | do | Wyoming Coal Co | 14974-A | Do. |
| Hamilton, Andrew | do | do | Central Coal & Coke Co. | 14971-A | Do. |
| Harvey, Ben | do | do | Union Pacific Coal Co. | 14987-A | Do. |
| Jenkins, William | do | do | do | 14896-A | Do. |
| Jereb, Jos | do | do | do | 14986-A | Do. |
| Jovich, George | do | do | do | 14910-A | Do. |
| Kisduchak, Joseph | do | do | do | 14912-A | Do. |
| Koches, Michael | do | do | do | 14914-A | Do. |
| Koradey, N | do | do | do | 14911-A | Do. |
| Korfanta, George | do | do | do | 14913-A | Do. |
| Kumer, John | do | do | do | 14915-A | Do. |
| McLee, Arthur | do | do | do | 14976-A | Do. |
| McMahon, John | do | do | do | 14908-A | Do. |
| Marcinao, Valentine | do | do | do | 14984-A | Do. |
| Marshall, Matthew | do | do | do | 14979-A | Do. |

WYOMING—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Maxwell, John | Rock Springs | Sweetwater | Union Pacific Coal Co. | 14980-A | February, 1916. |
| Miller, Joe | do | do | Central Coal & Coke Co. | 14972-A | Do. |
| Monghini, August | do | do | Union Pacific Coal Co. | 14978-A | Do. |
| Morgan, John | do | do | Wyoming Coal Co. | 14975-A | Do. |
| Preece, Stanley | do | do | Union Pacific Coal Co. | 14905-A | Do. |
| Prevedel, Louis | do | do | do | 14897-A | Do. |
| Radley, George | do | do | do | 14907-A | Do. |
| Radovich, Samuel | do | do | do | 14909-A | Do. |
| Shinarzy, John | do | do | do | 14903-A | Do. |
| Shinaza, Peter J | do | do | Wyoming Coal Co. | 14973-A | Do. |
| Travis, James | do | do | Union Pacific Coal Co. | 14981-A | Do. |
| Ugrin, Peter | do | do | do | 14901-A | Do. |
| Vehar, Frank | do | do | do | 14898-A | Do. |
| Yowich, Matthew | do | do | do | 14906-A | Do. |
| Addamik, Jos | Superior | do | Superior Coal Co | 15892-A | March, 1916. |
| Albertini, Charles | do | do | do | 12702-A | April, 1916. |
| Barwick, John | do | do | do | 15894-A | March, 1916. |
| Borya, John | do | do | do | 15890-A | Do. |
| Breihan, G. H | do | do | do | 15906-A | Do. |
| Brown, Andrew | do | do | do | 15898-A | Do. |
| Dykes, John L | do | do | do | 12703-A | April, 1916. |
| Furushiro, T | do | do | do | 15900-A | March, 1916. |
| Hughes, Patrick | do | do | do | 15887-A | Do. |
| Jones, George | do | do | do | 15910-A | Do. |
| Jones, Richard | do | do | do | 15908-A | Do. |
| King, Charles | do | do | do | 15891-A | Do. |
| Kowcih, Frank | do | do | do | 15885-A | Do. |
| McClelland, James | do | do | do | 15905-A | Do. |
| McPhie, Martin | do | do | do | 15893-A | Do. |
| Mettam, Joseph | do | do | do | 15911-A | Do. |
| Moscow, M. L | do | do | do | 15902-A | Do. |
| Moscow, John | do | do | do | 15903-A | Do. |
| Nugant, Patrick | do | do | do | 15886-A | Do. |
| Ogasawara, Y | do | do | do | 15901-A | Do. |
| Pellican, Joseph | do | do | do | 15912-A | Do. |
| Prevedel, Rudolph | do | do | do | 12715-A | April, 1916. |
| Rizzonelli, Edigo | do | do | do | 15895-A | March, 1916. |
| Samuels, William | do | do | do | 15907-A | Do. |
| Schofield, Thos. E | do | do | do | 15909-A | Do. |
| Stokes, Allen | do | do | do | 15896-A | Do. |
| Stokes, Harry | do | do | do | 15897-A | Do. |
| Sunada, C. N | do | do | do | 12705-A | April, 1916. |
| Sunada, M | do | do | do | 16938-A | May, 1916. |
| Tarras, Andrew | do | do | do | 15888-A | March, 1916. |
| Tashima, I | do | do | do | 15899-A | Do. |
| Valato, Rescerro | do | do | do | 16938-A | May, 1916. |
| Vanvlette, R. E | do | do | do | 15904-A | March, 1916. |
| Whalen, Thomas, jr | do | do | do | 15884-A | Do. |
| Wilson, David | do | do | do | 15889-A | Do. |
| Bolto, Charles | Cumberland | Uinta | Union Pacific Coal Co. | 14958-A | February, 1916. |
| Coletti, James | do | do | do | 14950-A | Do. |
| Corgats, Dominic | do | do | do | 14954-A | Do. |
| Cruthers, W. S | do | do | do | 14955-A | Do. |
| Easton, William | do | do | do | 14957-A | Do. |
| Fearn, Lyman | do | do | do | 14951-A | Do. |
| Foreman, Emil | do | do | do | 14952-A | Do. |
| Louko, Victor | do | do | do | 14956-A | Do. |
| Serefield, Samuel | do | do | do | 14953-A | Do. |
| Welsh, Lyman | do | do | do | 14952-A | Do. |
| Alfonson, B | Diamondville | do | Diamondville Coal & Coke Co. | 14033-A | December, 1915. |
| Armstrong, David | do | do | do | 14032-A | Do. |
| Armstrong, Matthew. | do | do | do | 14031-A | Do. |
| Neill, Andrew | do | do | do | 1380-A | January, 1916. |
| Pebek, John | do | do | do | 14029-A | December, 1915. |
| Sabac, Paul | do | do | do | 14034-A | Do. |
| Stemfel, John | do | do | do | 14030-A | Do. |
| Birch, Dan | Elkol | do | Kemmerer & Quaylie Coal Co. | 14041-A | Do. |
| Brakus, Samuel | do | do | do | 14035-A | Do. |
| Dason, George | do | do | do | 14039-A | Do. |
| De Giorgio, Jos | do | do | J. A. Qualey Coal Co. | 14046-A | Do. |
| Dragovich, John | do | do | Kemmerer & Quaylie Coal Co. | 14037-A | Do. |
| Everjich, Michael | do | do | do | 14043-A | Do. |
| Gadich, Michael | do | do | do | 14042-A | Do. |

WYOMING—Continued.

| Name. | Town. | County. | Company or occupation. | Certificate No. | Date issued. |
|---|---|---|---|---|---|
| Hukovek, John | Elkol | Uinta | Kemmerer & Quaylie Coal Co. | 14038-A | December, 1915. |
| Millich, Luke | do | do | Kemmerer Coal Co. | 14040-A | Do. |
| Qualey, J. A. | do | do | J. A. Qualey Coal Co. | 14047-A | Do. |
| Sadler, Frank | do | do | Kemmerer & Quaylie Coal Co. | 14036-A | Do. |
| Selisker, John | Elkol | Uinta | J. A. Qualey Coal Co. | 14044-A | December, 1915. |
| Vorklyan, Nicholas | do | do | do | 14045-A | Do. |
| Hackett, James | Frontier | do | Kemmerer Coal Co. | 9200-A | March, 1915. |
| Kominski, S. | do | do | do | 9267 | Do. |
| McMurtrie, Thomas | do | do | do | 9268-A | Do. |
| Hanna, R. A. | Kemmerer | do | do | 9202-A | Do. |
| Levitz, Pike | do | do | do | 9266 | Do. |
| Calvert, George | Oakley | do | Diamondville Coal & Coke Co. | 14026-A | December, 1915. |
| Pavch, Joseph | do | do | do | 14028-A | Do. |
| Sturm, Jerry | do | do | do | 14027-A | Do. |

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